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202101



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REMOVAL SUPPORT TEAM 2
EPA CONTRACT EP-W-06-072

January 7, 2010

Mr. Cris D'Onofrio, On-Scene Coordinator
U.S. Environmental Protection Agency – Region 2
Response and Prevention Branch
2890 Woodbridge Avenue
Edison, NJ 08837

EPA CONTRACT NO: EP-W-06-072

TDD NO: TO-0013-0129

DOCUMENT CONTROL NO: RST 2-02-F-1232

**SUBJECT: REMOVAL SITE ASSESSMENT SAMPLING TRIP REPORT – ALFRED
HELLER HEAT TREATING COMPANY SITE**

Dear Mr. D'Onofrio:

Enclosed please find the Removal Site Assessment Sampling Trip Report for the sampling event conducted from December 9 through 17, 2009, at the Alfred Heller Heat Treating Company Site located in Clifton, Passaic County, New Jersey.

If you have any questions or comments, please do not hesitate to contact me at (732) 585-4440.

Sincerely,

Weston Solutions, Inc.

Sayed Iqbal

RST 2 Site Project Manager

Enclosure

cc: TDD File: TO-0013-0129



REMOVAL SITE ASSESSMENT SAMPLING TRIP REPORT

SITE NAME: Alfred Heller Heat Treating Company Site
DCN No.: RST 2-02-F-1232
TDD No.: TO-0013-0129
SAMPLING DATES: December 9 through 17, 2009
EPA SITE I.D. NO.: RS

- 1. Site Location:** Alfred Heller Heat Treating Company Site
5 Wellington Street
Clifton, Passaic County, New Jersey
Refer to Attachment A, Figure 1 - Site Location Map
- 2. Sample Descriptions:** Refer to Attachment B, Tables 1A and 1B.
- 3. Laboratories Receiving Samples:**

Analyses	Sample Media	Name and Address of Laboratory
Contract Laboratory Program (CLP) Organic Parameters: Volatile Organic Compounds (VOCs) via EPA Method TO-15	Air and Soil Gas	Atmospheric Analysis & Consulting, Inc. 1534 Eastman Avenue, Suite A Ventura, CA 93003 (805) 650-1642
CLP Organic Parameters: VOCs, Semi Volatile Organic Compounds (SVOCs), Polychlorinated Biphenyls (PCBs), Gas Range Organics (GRO), Diesel Range Organics (DRO), Oil Range Organics (ORO)	Surface Soil, Sub-Slab Soil, Aqueous Rinsate Blank	A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 (281) 292-5277
CLP Inorganic Parameters: Target Analyte List (TAL) Metals including Mercury and Cyanide	Surface Soil, Sub-Slab Soil, Aqueous Rinsate Blank	Liberty Analytical Corporation 501 Madison Avenue Cary, NC 27513 (919) 379-4080
Non-CLP Inorganic Parameters: Hexavalent Chromium	Sub-Slab Soil, Aqueous Rinsate Blank	Chemtech 284 Sheffield Street Mountainside, NJ 07092 (908) 789-8900

4. Sample Dispatch Data:

On December 11, 2009, three air samples and five soil gas samples including two field duplicate samples (one for air and one for soil gas) were submitted for VOCs analyses via EPA Method TO-15 and were shipped by Removal Support Team 2 (RST 2) personnel to Atmospheric Analysis & Consulting, Inc. Samples were shipped via FedEx under the FedEx Airbill No. 8660 4365 7975.

On December 15, 2009, four surface soil and two sub-slab soil samples were submitted for CLP Organic Parameters; VOCs, SVOCs, PCBs, GRO, DRO, and ORO analyses and were shipped to A4 Scientific by RST 2 personnel via FedEx under FedEx Airbill No. 8660 4365 7200. Samples for CLP Inorganic Parameters; TAL Metals including Hg and Cyanide were shipped to Liberty Analytical Corporation by RST 2 personnel via FedEx under FedEx Airbill No. 8660 4365 7986.

On December 16, 2009, 14 sub-slab soil samples including two field duplicate samples, one rinsate blank sample, and two additional volumes for Matrix Spike and Matrix Spike Duplicate (MS/MSD) analysis were submitted for CLP Organic Parameters; VOCs, SVOCs, PCBs, GRO, DRO, and ORO analyses and were shipped to A4 Scientific by RST 2 personnel via FedEx under FedEx Airbill No. 8660 4365 7195. Samples for CLP Inorganic Parameters; TAL Metals including Hg and Cyanide were shipped to Liberty Analytical Corporation by RST 2 personnel via FedEx under FedEx Airbill No. 8660 4365 7184.

On December 17, 2009, 11 sub-slab soil samples were submitted for CLP Organic Parameters; VOCs, SVOCs, PCBs, GRO, DRO, and ORO analyses and were shipped to A4 Scientific by RST 2 personnel via FedEx under FedEx Airbill No. 8660 4365 7313. Samples for CLP Inorganic Parameters; TAL Metals including Hg and Cyanide were shipped to Liberty Analytical Corporation by RST 2 personnel via FedEx under FedEx Airbill No. 8660 4365 7997.

On December 16, 2009, six sub-slab soil samples including one field duplicate sample, one rinsate blank sample, and one additional volume for MS/MSD analysis were submitted for Non-CLP Inorganic Parameter; Hexavalent Chromium analysis and delivered to Chemtech via courier service.

On December 17, 2009, six sub-slab soil samples were submitted for Non-CLP Inorganic Parameter; Hexavalent Chromium analysis and delivered to Chemtech via courier service.

Attachment C includes copies of the Traffic Reports, Chain of Custody Records and Federal Express Airbills.

5. Personnel On Site:

<u>Name</u>	<u>Representing</u>	<u>Duties On-Site</u>
Cris D'Onofrio	US EPA Region II	On-Scene Coordinator
Kelli Lucarino	US EPA Region II	On-Scene Coordinator
Sayed Iqbal	RST 2	Site Project Manager, Field Coordinator, Site QA/QC, Site H&S, Sample Management
Sandra Richards	RST 2	Sample Collection and Management
Joel Petty	RST 2	Sample Collection and Management
Sean Gavlas	RST 2	Sample Collection and Management
Jeffrey Jager	RST 2	Soil Gas Well Installation, Sample Location Map Preparation

6. Site Background:

The Alfred Heller Heat Treating Company is a former heat treating and zinc plating/conversion coating facility located at 5 Wellington Street in Clifton, NJ. The Site is located in a densely populated area of Clifton, consisting of a mix of residential and light industry.

The Site is approximately four acres in size and contains six contiguous buildings with an approximate floor space of 75,000 square feet. The buildings contained two zinc electroplating lines, one zinc phosphate conversion coating line, and approximately 30 heat treating furnaces of various sizes. Included in the heat treating furnaces were three austemper furnaces, two of which contained an approximate total of 170 tons of molten sodium nitrite/nitrate at the time of initiation of the Removal Action. Additionally, three of the heat treating furnaces contained approximately 2,000 gallons each of halogen-containing quench oils. Approximately 30,000 gallons of waste oil were contained both in the furnace reservoirs and in totes which were stored within the buildings. Trichloroethylene was used as a degreaser for some metal parts until the company switched to n-propyl bromide in the 1990s.

The Site also consists of two laboratories which contained various laboratory chemical containers including acids, bases, solvents and other chemicals. Approximately 596 drums of waste and/or product have been identified on-site since initiation of the Removal Action. Additionally, there were seven above-ground storage tanks and four underground storage tanks (USTs) located on the property. Some of the above-ground storage tanks have been removed from the Site.

7. Removal Site Assessment:

On December 9, 2009, EPA and RST 2 located and marked the following proposed multimedia sample locations: Two air sample locations, four sub-slab soil gas sample locations, three surface soil and 24 sub-slab soil sample locations. At the request of the EPA OSC two additional sample locations were later added; one surface soil sample location (AH-S-28) on December 15, 2009, and one sub-slab soil sample location (AH-B1-SS-23B) on December 17, 2009. After locating and marking of the proposed multimedia sample locations, RST 2 installed four sub-slab soil gas wells in and around the former TCE Degreaser area located within Building No. 1. Pre-drilling of the sub-slab soil gas wells and concrete slab cutting and removal activities were performed from December 9 through 17, 2009, by EPA's Emergency Rapid Response Services (ERRS) contractor.

Refer Attachment A, Figure 2 – Air and Soil Gas Sample Locations Map and Figure 3 – Surface and Sub-Slab Soil Sample Locations Map for more details.

Air and Soil Gas Sampling

Soil gas samples were collected using pre-cleaned stainless steel Summa canisters, fitted with 24-hour passive flow controllers calibrated by the laboratory. The Summa canisters provided were purged, cleaned, and prepared for sampling by an EPA CLP laboratory in accordance with EPA Method TO-15.

Pre-drilling of the sub-slab soil gas wells was performed by EPA's ERRS contractor using an electric Rotary Hammer Drill. The soil gas wells were drilled through the slab and several inches (less than one foot) into the sub-slab material. Following drilling activities, RST 2 used dedicated stainless steel tubing (approximately 12 inches long) at 1/4 inch OD to install the wells into the borehole and attached the tubing to a Swagelok® female connector. Prior to installation into the borehole a small amount of modeling clay was placed around the stainless steel tube and the Swagelok® nut joint. After placing the completed probe into the borehole and flush with the surface of the slab, the space between the probe and the outside of the concrete was filled with anchoring cement mix and were allowed to cure for a period of 24-hours.

On December 10, 2009, RST 2 set up 6-liter Summa canisters with flow controllers adjusted to collect a sample over a 24-hour period. Air sampling was conducted at two locations, one outside of the office building (upwind sample) and one co-located (field duplicate) in the former TCE Degreaser area within Building No. 1. Sub-slab soil gas sampling was then conducted at four locations by connecting a length of 3/8 inch diameter Teflon tubing and attaching it to a Summa canister fitted with a flow controller adjusted to collect a sample over a 24-hour period. At sample location AH-SG-03, the Teflon tubing was connected to a "T" fitting to collect a field duplicate sample (AH-SG-04).

On December 11, 2009, RST 2 visited the Site and noted the vacuum gauges on the Summa

canisters which read between -0.5 and -8 inches of mercury. The regulator on each Summa canister was closed to prevent the possibility of reaching atmospheric pressure after the 24-hour sampling period. The Summa canisters were analyzed for VOCs via EPA Method TO-15.

Sample locations are depicted in Figure 2 – Air and Soil Gas Sample Location Map included as Attachment A and is depicted in the Photographic Log included as Attachment D.

Surface and Sub-Slab Soil Sampling

Surface and sub-slab soil sampling activities were conducted from December 9 through 17, 2009, and were collected from a total of 28 locations at the Site including from within site buildings, the unpaved area along the northeast property boundary and within the courtyard area, the loading dock and the courtyard located between Building Nos. 1 and 5. The sub-slab soil samples were collected after any concrete and/or paved surface was removed by ERRS personnel. Each sub-slab soil sample was collected at six inch intervals beneath the concrete slab, except for sample No.: AH-B1-SS-23 and a second sub-slab soil sample (No.: AH-B1-SS-23B) at the depth of 12 – 18 inches beneath the concrete slab. Surface soil sample from the unpaved areas were collected at 6" intervals after removing any vegetation and/or debris from the surface. Surface and Sub-slab soil samples (0-6") were collected using decontaminated plastic and/or stainless steel scoops, hand augers and/or a stainless steel core sampler, and the samples were transferred into a new, dedicated aluminum pie pan by using a new, dedicated plastic scoop. Samples were then homogenized by mixing thoroughly and placed into glass jars. VOC samples were collected as grab samples using EnCore® sampling devices. Three EnCore® devices were used at each location and were collected first prior to the soil sample being transferred into aluminum pie pans for homogenization. Rocks and other debris were removed prior to placing the sample into the jars. The stainless steel augers, scoops and core sampler were decontaminated prior to and between use. All samples were labeled, cooled to 4°C and stored in plastic coolers for shipment. As per OSC's request only one rinsate blank was collected by pouring Distilled/Deionized water over the decontaminated sampling equipment.

A Multi-RAE® was used each day during the surface and sub-slab soil sampling activities and was calibrated prior to each day's activities. All soil sample boreholes and sample allocates were screened for organic vapors using a calibrated MultiRAE. Except at four sample locations (AH-B5-SS-08, AH-B5-SS-12, AH-B5-SS-14, and AH-B5-SS-15), no readings above background were recorded. The organic vapor readings noted at the above mentioned sample locations were each 0.2 units above background. Each of the surface and sub-slab soil samples were analyzed for TCL VOCs, SVOCs, PCBs, GRO, DRO, ORO, TAL Metals and Cyanide. In addition, 12 sub-slab soil samples including one field duplicate collected from Building No. 5 and a rinsate blank were also submitted for hexavalent chromium analysis.

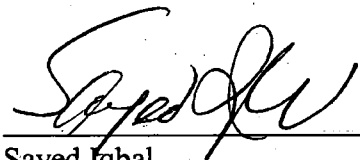
Sample locations are depicted in Figure 3 – Surface and Sub-Slab Soil Sample Locations Map included as Attachment A and are depicted in the photographic log included as

Attachment D.

8. Additional Comments:

At EPA's request, equipment used for sample collection was decontaminated using only laboratory grade detergent, potable water rinse, steam cleaning, and deionized water rinse. Also, instead of collecting a rinsate blank each day, at EPA's request, only one rinsate blank was collected during the soil sampling activities of December 15 through 17, 2009. Chain-of-Custody Records and Traffic Reports were generated using FORMs II Lite[®] and Scribe[®] software.

9. Report prepared by:



Sayed Iqbal
RST 2 Site Project Manager

Date

1/7/10

Report reviewed by:



John Brennan
RST 2 Group Leader/HSO

Date

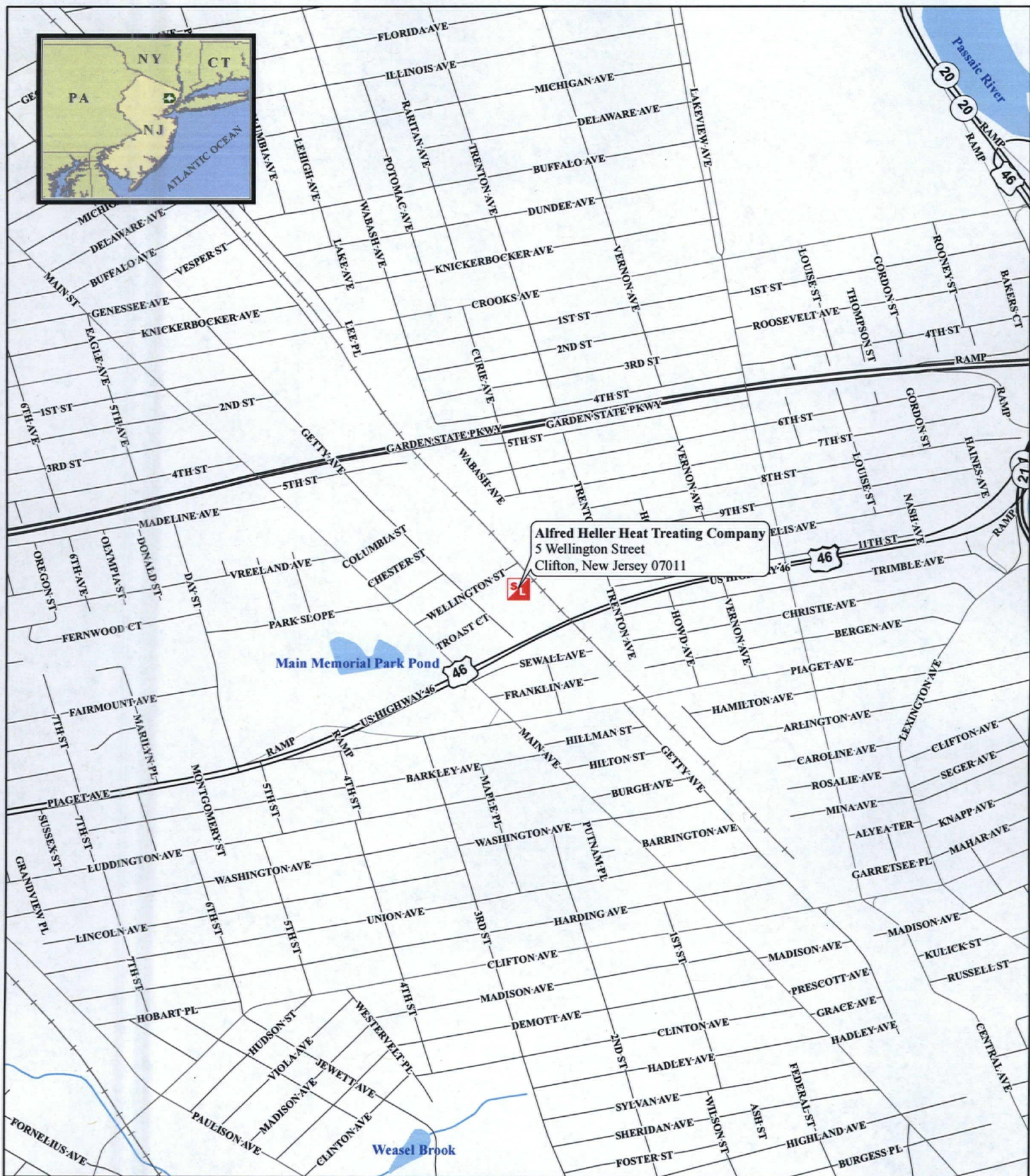
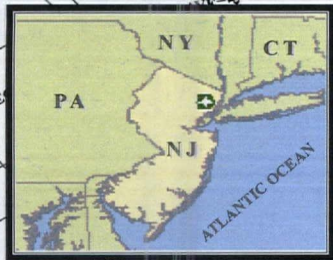
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ATTACHMENT A

Figure 1: Site Location Map

Figure 2: Air and Soil Gas Sample Locations Map

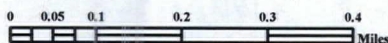
Figure 3: Surface and Sub-Slab Soil Sample Locations Map



Legend



Site Location



Weston Solutions, Inc.
Northeast Division

In Association With
Innovative Technical Solutions, Inc.,
Scientific and Environmental Associates, Inc.
and Avatar Environmental, LLC.

Figure 1:

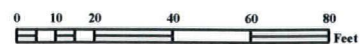
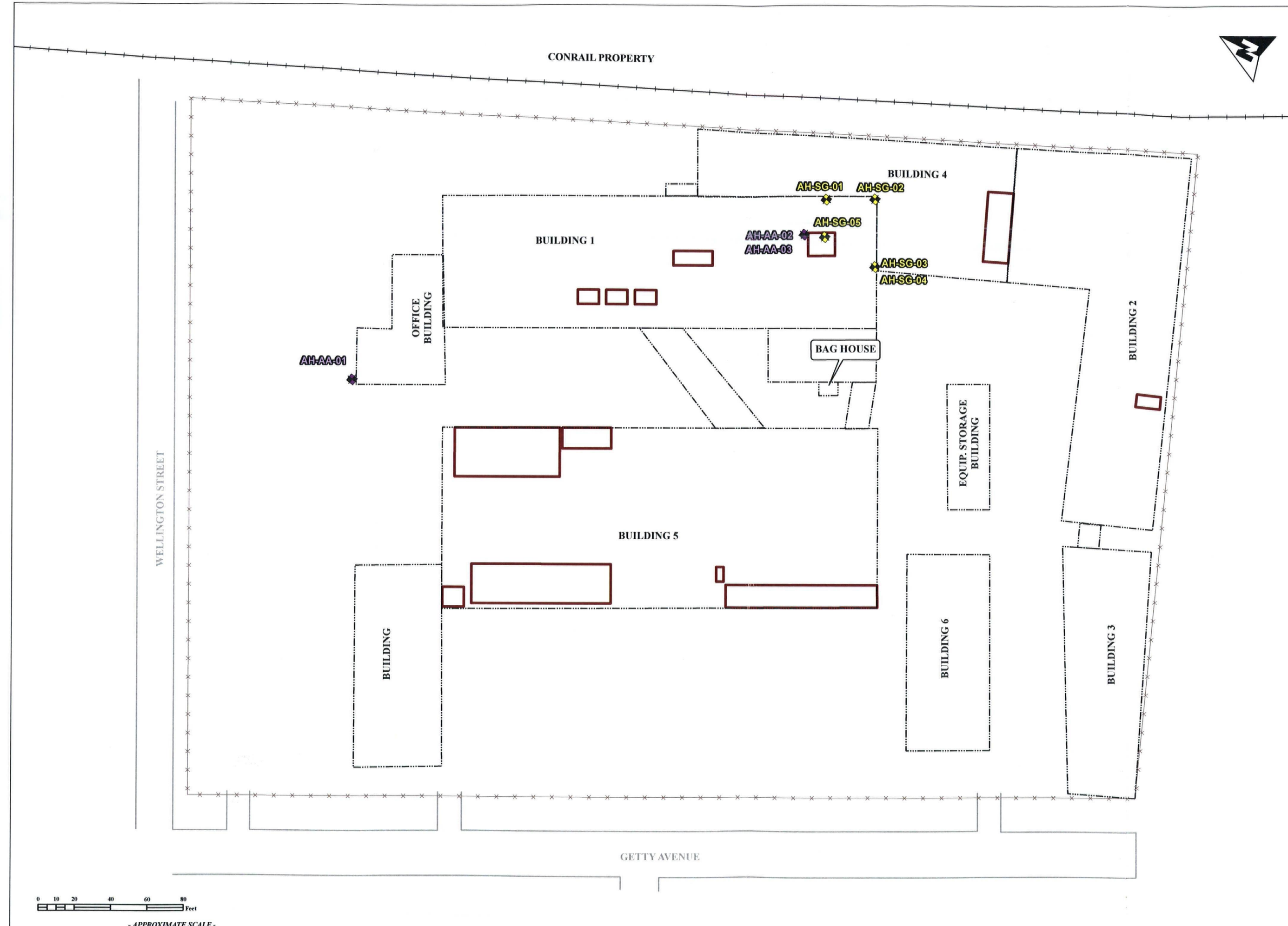
Site Location Map

ALFRED HELLER HEAT TREATING SITE
CLIFTON, NEW JERSEY

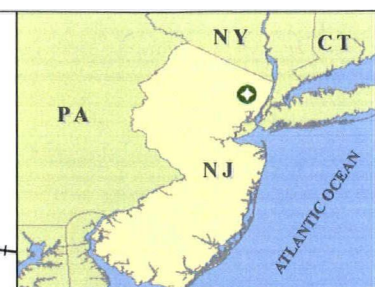
U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

GIS ANALYST:	F CAMPBELL
EPA OSC:	C DONOFRIO
RST SPM:	S JOBAL
FILENAME:	SITEMAP.MXD

DATE MODIFIED: 11/23/2009



- APPROXIMATE SCALE -



SCALE
1:600

LEGEND

- Air Sample Locations
- Soil Gas Sample Locations
- Fence
- Rail Road
- Roadway
- Buildings
- Pit Locations

Figure 2:
Air and Soil Gas
Sample Locations

ALFRED HELLER HEAT
TREATING COMPANY SITE
CLIFTON, NEW JERSEY

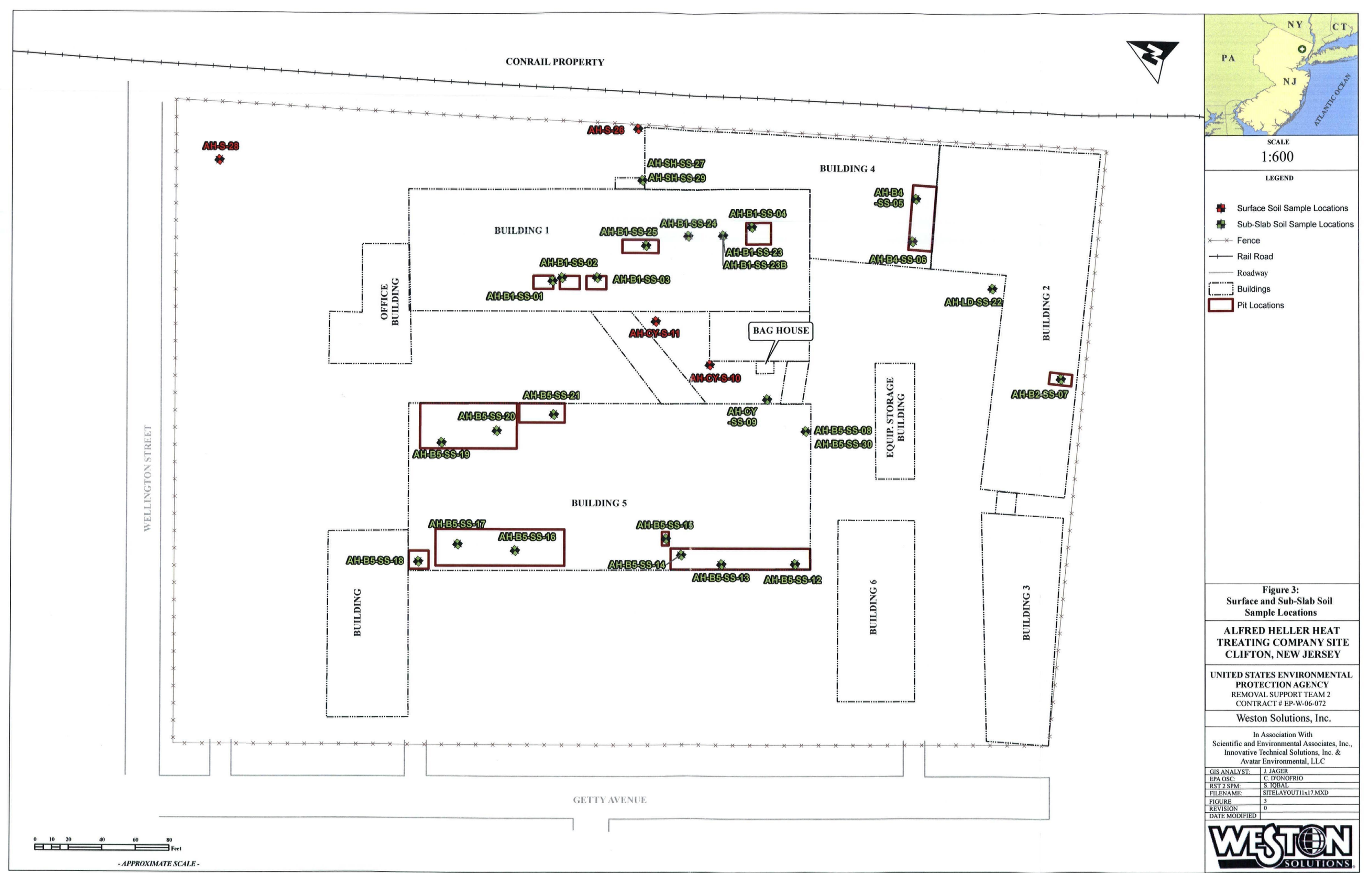
UNITED STATES ENVIRONMENTAL
PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

Weston Solutions, Inc.

In Association With
Scientific and Environmental Associates, Inc.,
Innovative Technical Solutions, Inc. &
Avatar Environmental, LLC

GIS ANALYST:	J. JAGER
EPA OSC:	C. D'ONOFRIO
RST 2 SPM:	S. IOBAL
FILENAME:	SITELAYOUT11x17.MXD
FIGURE	3
REVISION	0
DATE MODIFIED	1/5/09





SCALE
1:600

LEGEND

- Surface Soil Sample Locations
- Sub-Slab Soil Sample Locations
- Fence
- Rail Road
- Roadway
- Buildings
- Pit Locations

Figure 3:
Surface and Sub-Slab Soil
Sample Locations

ALFRED HELLER HEAT
TREATING COMPANY SITE
CLIFTON, NEW JERSEY

UNITED STATES ENVIRONMENTAL
PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

Weston Solutions, Inc.

In Association With
Scientific and Environmental Associates, Inc.,
Innovative Technical Solutions, Inc. &
Avatar Environmental, LLC

GIS ANALYST:	J. JAGER
EPA OSC:	C. DONOFRIO
RST 2 SPM:	S. IQBAL
FILENAME:	SITELAYOUT11x17.MXD
FIGURE:	3
REVISION:	0
DATE MODIFIED:	



ATTACHMENT B

Table 1A: Air/Soil Gas Sample Collection Information

Table 1B: Surface and Sub-Slab Soil Sample Collection Information

Alfred Heller Heat Treating Company Site
Clifton, New Jersey
Table 1A: Air/Soil Gas Sample Collection Information

RST 2 Sample ID	CLP Sample Number	Sample Matrix	Start Date	Start Time	End Date	End Time	Sample Duration	Analysis	QA/QC
AH-AA-01	B7LT1	Air	12/10/2009	1237	12/11/2009	1340	25 Hrs 3 Min	VOCs (TO-15)	-
AH-AA-02	B7LT2	Air	12/10/2009	1354	12/11/2009	1356	24 Hrs 2 Min	VOCs (TO-15)	-
AH-AA-03	B7LT3	Air	12/10/2009	1354	12/11/2009	1356	24 Hrs 2 Min	VOCs (TO-15)	Field Duplicate of AH-AA-02
AH-SG-01	B7LT4	Soil Gas	12/10/2009	1355	12/11/2009	1408	24 Hrs 13 Min	VOCs (TO-15)	-
AH-SG-02	B7LT5	Soil Gas	12/10/2009	1356	12/11/2009	1416	24 Hrs 20 Min	VOCs (TO-15)	-
AH-SG-03	B7LT6	Soil Gas	12/10/2009	1357	12/11/2009	1428	24 Hrs 31 Min	VOCs (TO-15)	-
AH-SG-04	B7LT7	Soil Gas	12/10/2009	1357	12/11/2009	1428	24 Hrs 31 Min	VOCs (TO-15)	Field Duplicate of AH-SG-03
AH-SG-05	B7LT8	Soil Gas	12/10/2009	1352	12/11/2009	1340	24 Hrs 43 Min	VOCs (TO-15)	-

Alfred Heller Heat Treating Company Site
Clifton, New Jersey
Table 1B: Surface Soil/Subslab Soil Sample Collection Information

RST 2 Sample ID	CLP Sample Number	Sample Date	Sample Time	VOCs	SVOCs	PCBs	DRO/ ORO/ GRO	TAL Metals and Cyanide	Hexavalent Chromium	QA/QC	Comments
AH-B1-SS-01	B7LX2/ MB7LX2	12/16/2009	1200	X	X	X	X	X		-	Sub-slab soil sample. Soil was a clayey silt, dark brown in color. Odor of burnt oil detected. Cement was approximately 10 inches thick.
AH-B1-SS-02	B7LX3/ MB7LX3	12/16/2009	1215	X	X	X	X	X		-	Sub-slab soil sample. Soil was a clayey silt, dark brown to tan in color. Very strong odor of burnt oil detected. Cement was approximately 10 inches thick. Oily consistency.
AH-B1-SS-03	B7LX4/ MB7LX4	12/16/2009	1230	X	X	X	X	X		-	Sub-slab soil sample. Soil was a silty sand and was slightly oily with a tan clay layer near 6". Odor of burnt oil was detected in the clay layer. Cement was approximately 10 inches thick.
AH-B1-SS-04	B7LY0/ MB7LY0	12/17/2009	0855	X	X	X	X	X		-	Sub-slab soil sample. Soil was a sandy clay that was orange and brown in color with some large rocks/cobbles. Concrete was approximately 10 inches thick.
AH-B4-SS-05	B7LW7/ MB7LW7	12/16/2009	1025	X	X	X	X	X		-	Sub-slab soil sample. Soil was a clayey silt, medium brown in color with some small rocks/gravels. Concrete was approximately 8 inches thick.
AH-B4-SS-06	B7LW8/ MB7LW8	12/16/2009	0935	X	X	X	X	X		MS/MSD	Sub-slab soil sample. Soil was a muddy clay, brown in color with some small rocks/gravels. Concrete was approximately 8 inches thick. A diesel odor was detected in the soils.

Alfred Heller Heat Treating Company Site
Clifton, New Jersey
Table 1B: Surface Soil/Subslab Soil Sample Collection Information

RST 2 Sample ID	CLP Sample Number	Sample Date	Sample Time	VOCs	SVOCs	PCBs	DRO/ ORO/ GRO	TAL Metals and Cyanide	Hexavalent Chromium	QA/QC	Comments
AH-B2-SS-07	B7LY7/ MB7YL7	12/17/2009	1700	X	X	X	X	X		-	Sub-slab soil sample. Soil was a wet, light brown, oily clay with an organic odor. Concrete was approximately 8 inches thick.
AH-B5-SS-08	B7LW9/ MB7LW9	12/16/2009	1130	X	X	X	X	X	X	-	Sub-slab soil sample. Soil was a clay, silt, sand mixture, tan to brown in color. Organic vapor reading of 0.2 units. Concrete was approximately 5 inches thick.
AH-CY-SS-09	B7LW1/ MB7LW1	12/15/2009	1145	X	X	X	X	X		-	Sub-slab soil sample. Soil was a gravel with silts and clays. Concrete was approximately 8 inches thick.
AH-CY-S-10	B7LW2/ MB7LW2	12/15/2009	1130	X	X	X	X	X		-	Surface soil sample. Hard topsoil approximately 1 inch thick. Beneath was moist, clayey silt with dark brown soils and a tan clay layer.
AH-CY-S-11	B7LW3/ MB7LW3	12/15/2009	1120	X	X	X	X	X		-	Surface soil sample. Soil was a clayey silt, dark brown in color with orange
AH-B5-SS-12	B7LX6/ MB7LX6	12/16/2009	1450	X	X	X	X	X	X	-	Sub-slab soil sample. Soil was a dry, silty clay dark brown in color with some small gravels. Organic vapor reading 0.2 units. Concrete was approximately 6 inches thick.
AH-B5-SS-13	B7LY3/ MB7LY3	12/17/2009	0925	X	X	X	X	X	X	-	Sub-slab soil sample. However, the slab was corroded away at the sample location. Soil was a sandy soil with black discoloration in brown soils.

Alfred Heller Heat Treating Company Site
Clifton, New Jersey
Table 1B: Surface Soil/Subslab Soil Sample Collection Information

RST 2 Sample ID	CLP Sample Number	Sample Date	Sample Time	VOCs	SVOCs	PCBs	DRO/ ORO/ GRO	TAL Metals and Cyanide	Hexavalent Chromium	QA/QC	Comments
AH-B5-SS-14	B7LX7/ MB7LX7	12/16/2009	1500	X	X	X	X	X	X	-	Sub-slab soil sample. Soil was a silty clay. At approximately 6 inches below the slab, a soil layer of clay was found. Organic vapor reading 0.2 units.
AH-B5-SS-15	B7LX1/ MB7LX1	12/16/2009	1140	X	X	X	X	X	X	MS/MSD	Sub-slab soil sample. Soil was a silty sand, dark brown in color. Organic vapor reading 0.2 units. Concrete was approximately 10 inches thick.
AH-B5-SS-16	B7LX8/ MB7LX8	12/16/2009	1515	X	X	X	X	X	X	-	Sub-slab soil sample. Soil was a silty clay down to approximately three inches below the slab, below three inches a layer of clay was encountered. Concrete was approximately 5 inches thick.
AH-B5-SS-17	B7LY4/ MB7LY4	12/17/2009	0940	X	X	X	X	X	X	-	Sub-slab soil sample. Soil was a clayey silt. Concrete was approximately 5 inches thick.
AH-B5-SS-18	B7LY5/ MB7LY5	12/17/2009	0950	X	X	X	X	X	X	-	Sub-slab soil sample. Soil was poorly sorted dark brown sandy silt. A layer of black rocks resembling coal was located directly below the concrete. Concrete was approximately 8-10 inches thick.
AH-B5-SS-19	B7LY8/ MB7LY8	12/17/2009	1615	X	X	X	X	X	X	-	Sub-slab soil sample. Sample location was wet, rocky, and oily. Soil was a clayey sandy silt, dark brown in color. Concrete was approximately 7 inches thick. A strong odor was detected.

Alfred Heller Heat Treating Company Site
Clifton, New Jersey
Table 1B: Surface Soil/Subslab Soil Sample Collection Information

RST 2 Sample ID	CLP Sample Number	Sample Date	Sample Time	VOCs	SVOCs	PCBs	DRO/ ORO/ GRO	TAL Metals and Cyanide	Hexavalent Chromium	QA/QC	Comments
AH-B5-SS-20	B7LY9/ MB7LY9	12/17/2009	1630	X	X	X	X	X	X	-	Sub-slab soil sample. Soil was a dark brown silty sand. The sample location was rocky and the top layer was wet. Concrete was approximately 12 inches.
AH-B5-SS-21	B7LZ0/ MB7LZ0	12/17/2009	1600	X	X	X	X	X	X	-	Sub-slab soil sample. Soil was a black, silty soil. Concrete was approximately 8 inches thick.
AH-LD-SS-22	B7LW4/ MB7LW4	12/15/2009	1346	X	X	X	X	X		-	Sub-slab soil sample. Sample location was in a muddy area. Borehole was filled with water. Soil was a muddy, clayey silt, tan in color. Concrete was approximately 8 inches thick.
AH-B1-SS-23	B7LY1/ MB7LY1	12/17/2009	0845	X	X	X	X	X		-	Sub-slab soil sample. Soil was sandy and brown in color. Concrete was approximately 10 inches thick.
AH-B1-SS-23B	B7LY6/ MB7LY6	12/17/2009	1545	X	X	X	X	X		-	Sub-slab soil sample. Collected from a location that appeared to be filled with concrete below the original slab. Material was an amber colored plastic bead which smelt like burnt oil.
AH-B1-SS-24	B7LY2/ MB7LY2	12/17/2009	0900	X	X	X	X	X		-	Sub-surface soil sample. Soil was sandy. Concrete was approximately 12 inches thick.
AH-B1-SS-25	B7LX9/ MB7LX9	12/16/2009	1630	X	X	X	X	X		-	Sub-slab soil sample. Soil was a dry, silty sandy clay with some small rocks/gravels. Concrete was approximately 8 inches thick.

Alfred Heller Heat Treating Company Site
Clifton, New Jersey
Table 1B: Surface Soil/Subslab Soil Sample Collection Information

RST 2 Sample ID	CLP Sample Number	Sample Date	Sample Time	VOCs	SVOCs	PCBs	DRO/ ORO/ GRO	TAL Metals and Cyanide	Hexavalent Chromium	QA/QC	Comments
AH-S-26	B7LT9/ MB7LT9	12/15/2009	1005	X	X	X	X	X		-	Surface soil sample. Sampled from the grassy area near Building No. 4. Soil was a clayey loam with gravel sized aggregate.
AH-SH-SS-27	B7LW5/ MB7W5	12/16/2009	0840	X	X	X	X	X		-	Sub-slab soil sample. Soil was a dark, moist, clayey silt with some sand. Very little aggregate with some larger stones. Concrete was approximately 6 inches thick.
AH-S-28	B7LW0/ MB7LW0	12/15/2009	1100	X	X	X	X	X		-	Surface soil sample. Collected from the corner of the property at Wellington Rd. and the Conrail property. Soil was a loam clay mixture with gravel sized aggregate.
AH-SH-SS-29	B7LW6/ MB7LW6	12/16/2009	0845	X	X	X	X	X		Field Duplicate of AH-SH-SS-27	None
AH-B5-SS-30	B7LX0/ MB7LX0	12/16/2009	1120	X	X	X	X	X	X	Field Duplicate of AH-B5-SS-08	None
AH-RB-121609	B7LX5/ MB7LX5	12/16/2009	1530	X	X	X	X	X	X	Rinsate Blank	Rinsate Blank for 12/15 - 12/17/09

VOCs - Volatile Organic Compounds

SVOCs - Semi-Volatile Organic Compounds

PCBs - Polychlorinated Biphenyls

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

ORO - Oil Range Organics

TAL - Target Analyte List

MS/MSD - Matrix Spike/Matrix Spike Duplicate

ATTACHMENT C

**Traffic Reports and Chain of Custody Records
FedEx Airbills**



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 90023

DAS No:

SDG No:

L

Date Shipped: 12/11/2009 Carrier Name: FedEx Airbill: 8660 4365 7975 Shipped to: Atmospheric Analysis & Consulting, Inc. 1534 Eastman Avenue Suite A Ventura CA 93003 (805) 650-1642	Chain of Custody Record		Sampler Signature:
	Relinquished By	(Date / Time)	Received By
	1	12/11/09/1600	FedEx 12/11/09/1600
	2		
	3		
4			
For Lab Use Only			
Lab Contract No:			
Unit Price:			
Transfer To:			
Lab Contract No:			
Unit Price:			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B7LT1	Air/ Sayed Iqbal	M/G	VOA(TO-15) (21)	683 (Not preserved) (1)	AH-AA-01	S: 12/10/2009 12:37		
B7LT2	Air/ Sayed Iqbal	M/G	VOA(TO-15) (21)	684 (Not preserved) (1)	AH-AA-02	S: 12/10/2009 13:54		
B7LT3	Air/ Sayed Iqbal	M/G	VOA(TO-15) (21)	685 (Not preserved) (1)	AH-AA-03	S: 12/10/2009 13:54		
B7LT4	Soil Gas/ Sayed Iqbal	M/G	VOA(TO-15) (21)	686 (Not preserved) (1)	AH-SG-01	S: 12/10/2009 13:55		
B7LT5	Soil Gas/ Sayed Iqbal	M/G	VOA(TO-15) (21)	687 (Not preserved) (1)	AH-SG-02	S: 12/10/2009 13:56		
B7LT6	Soil Gas/ Sayed Iqbal	M/G	VOA(TO-15) (21)	688 (Not preserved) (1)	AH-SG-03	S: 12/10/2009 13:57		
B7LT7	Soil Gas/ Sayed Iqbal	M/G	VOA(TO-15) (21)	689 (Not preserved) (1)	AH-SG-04	S: 12/10/2009 13:57		
B7LT8	Soil Gas/ Sayed Iqbal	M/G	VOA(TO-15) (21)	690 (Not preserved) (1)	AH-SG-05	S: 12/10/2009 13:52		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key: VOA(TO-15) = VOA by TO-15	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input type="checkbox"/>	Shipment Iced? <input type="checkbox"/>

TR Number: 2-063272546-121109-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

LABORATORY COPY



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 39334

DAS No:

SDG No:

L

Date Shipped: 12/15/2009 Carrier Name: FedEx Airbill: 8660 4365 7200 Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	Chain of Custody Record		Sampler Signature: <i>Sandra Richards</i>
	Relinquished By	(Date / Time)	Received By
	1 <i>Sandra Richards</i>	12/15/09/1700	FedEx 12/15/09/1700
	2		
	3		
4			
For Lab Use Only			
Lab Contract No:			
Unit Price:			
Transfer To:			
Lab Contract No:			
Unit Price:			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B7LT9	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	699 (Ice Only), 700 (Ice Only), 701 (Ice Only), 702 (Ice Only), 703 (Ice Only), 704 (Ice Only), 705 (Ice Only), 706 (Ice Only) (8)	AH-S-26	S: 12/15/2009	10:05	MB7LT9	
B7LW0	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	708 (Ice Only), 709 (Ice Only), 710 (Ice Only), 711 (Ice Only), 712 (Ice Only), 713 (Ice Only), 714 (Ice Only), 715 (Ice Only) (8)	AH-S-28	S: 12/15/2009	11:00	MB7LW0	
B7LW1	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	717 (Ice Only), 718 (Ice Only), 719 (Ice Only), 720 (Ice Only), 721 (Ice Only), 722 (Ice Only), 723 (Ice Only), 724 (Ice Only) (8)	AH-CY-SS-09	S: 12/15/2009	11:45	MB7LW1	
B7LW2	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	726 (Ice Only), 727 (Ice Only), 728 (Ice Only), 729 (Ice Only), 730 (Ice Only), 731 (Ice Only), 732 (Ice Only), 733 (Ice Only) (8)	AH-CY-S-10	S: 12/15/2009	11:30	MB7LW2	
B7LW3	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	735 (Ice Only), 736 (Ice Only), 737 (Ice Only), 738 (Ice Only), 739 (Ice Only), 740 (Ice Only), 741 (Ice Only), 742 (Ice Only) (8)	AH-CY-S-11	S: 12/15/2009	11:20	MB7LW3	
B7LW4	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	744 (Ice Only), 745 (Ice Only), 746 (Ice Only), 747 (Ice Only), 748 (Ice Only), 749 (Ice Only), 750 (Ice Only), 751 (Ice Only) (8)	AH-LD-SS-22	S: 12/15/2009	13:46	MB7LW4	

Shipment for Case Complete? <input type="checkbox"/>	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): <i>[Signature]</i>	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input type="checkbox"/>	Shipment Iced? <input type="checkbox"/>
DRO/ORO = DRO by MA 1787.1 and ORO by MA 1862.0, GRO = GRO by MA 1805.0, PCB = PCBs (AROCLORS), PER_MOI = Percent Moisture, SVOCs = CLP TCL Semivolatiles, VOA = CLP TCL Volatiles				

TR Number: 2-063272546-121509-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax



USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 39334

DAS No:

SDG No:

L

Date Shipped: 12/15/2009
Carrier Name: FedEx
Airbill: 8660 4365 7986
Shipped to: Liberty Analytical
Corporation
501 Madison Avenue
Cary NC 27513
(919) 379-4080

Chain of Custody Record

Relinquished By

(Date / Time)

Sampler
Signature

Received By

(Date / Time)

1 Sandra Richards 12/15/09/1700
2
3
4

FedEx 12/15/09/1700

For Lab Use Only

Lab Contract No:

Unit Price:

Transfer To:

Lab Contract No:

Unit Price:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MB7LT9	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	698 (Ice Only) (1)	AH-S-26	S: 12/15/2009	10:05	B7LT9	
MB7LW0	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	707 (Ice Only) (1)	AH-S-28	S: 12/15/2009	11:00	B7LW0	
MB7LW1	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	716 (Ice Only) (1)	AH-CY-SS-09	S: 12/15/2009	11:45	B7LW1	
MB7LW2	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	725 (Ice Only) (1)	AH-CY-S-10	S: 12/15/2009	11:30	B7LW2	
MB7LW3	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	734 (Ice Only) (1)	AH-CY-S-11	S: 12/15/2009	11:20	B7LW3	
MB7LW4	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	743 (Ice Only) (1)	AH-LD-SS-22	S: 12/15/2009	13:46	B7LW4	

Shipment for Case
Complete? ☒

Sample(s) to be used for laboratory QC:

Additional Sampler Signature(s):

Cooler Temperature
Upon Receipt:

Chain of Custody Seal Number:

Analysis Key:

Concentration: L = Low, M = Low/Medium, H = High

Type/Designate: Composite = C, Grab = G

Custody Seal Intact? ☒

Shipment Iced? ☒

ICP/MS/CN = CLP TAL Total Metal (ICP) + Hg and Cya

TR Number: 2-063272546-121509-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax

LABORATORY ENVIRONMENT



USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 39334

DAS No:

SDG No:

L

Date Shipped: 12/16/2009 Carrier Name: FedEx Airbill: 8660 4365 7184 Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4080	Chain of Custody Record		Sampler Signature: <i>Sandra Richards</i>	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 <i>Sandra Richards</i>	12/16/09 11:30	FedEx		12/16/09 11:20
	2				
	3				
4					

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MB7LW5	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	752 (Ice Only) (1)	AH-SH-SS-27	S: 12/16/2009	8:40	B7LW5	
MB7LW6	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	761 (Ice Only) (1)	AH-SH-SS-29	S: 12/16/2009	8:45	B7LW6	
MB7LW7	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	770 (Ice Only) (1)	AH-B4-SS-05	S: 12/16/2009	10:25	B7LW7	
MB7LW8	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	779 (Ice Only), 780 (Ice Only) (2)	AH-B4-SS-06	S: 12/16/2009	9:35	B7LW8	
MB7LW9	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	794 (Ice Only) (1)	AH-B5-SS-08	S: 12/16/2009	11:30	B7LW9	
MB7LX0	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	803 (Ice Only) (1)	AH-B5-SS-30	S: 12/16/2009	11:20	B7LX0	
MB7LX1	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	812 (Ice Only), 813 (Ice Only) (2)	AH-B5-SS-15	S: 12/16/2009	11:40	B7LX1	
MB7LX2	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	825 (Ice Only) (1)	AH-B1-SS-01	S: 12/16/2009	12:00	B7LX2	
MB7LX3	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	834 (Ice Only) (1)	AH-B1-SS-02	S: 12/16/2009	12:15	B7LX3	
MB7LX4	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	843 (Ice Only) (1)	AH-B1-SS-03	S: 12/16/2009	12:30	B7LX4	

Shipment for Case Complete? <input type="checkbox"/>	Sample(s) to be used for laboratory QC: MB7LW8, MB7LX1	Additional Sampler Signature(s): <i>Joel Petty</i>	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designator: Composite = C, Grab = G	Custody Seal Intact? <input type="checkbox"/>	Shipment Iced? <input type="checkbox"/>
CN = Cyanide, ICP/MS/CN = CLP TAL Total Metal (ICP) + Hg and Cya, ICP/MS/Hg = CLP TAL Metals (ICP) + Hg				

TR Number: 2-063272546-121609-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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LABORATORY COPY



USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 39334

DAS No:

SDG No:

L

Date Shipped: 12/16/2009
Carrier Name: FedEx
Airbill: 8660 4365 7184
Shipped to: Liberty Analytical Corporation
501 Madison Avenue
Cary NC 27513
(919) 379-4080

Chain of Custody Record

Relinquished By

(Date / Time)

Sampler Signature

Received By

(Date / Time)

1 *[Signature]*

12/16/09 / 1130

FedEx

12/16/09 / 1130

2

3

4

For Lab Use Only

Lab Contract No:

Unit Price:

Transfer To:

Lab Contract No:

Unit Price:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MB7LX5	Aqueous/ Sandra Richards	M/G	CN (21), ICP/MS/Hg (21)	852 (HNO3), 859 (NaOH) (2)	AH-RB-121609	S: 12/16/2009	15:30	B7LX5	
MB7LX6	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	866 (Ice Only) (1)	AH-B5-SS-12	S: 12/16/2009	14:50	B7LX6	
MB7LX7	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	875 (Ice Only) (1)	AH-B5-SS-14	S: 12/16/2009	15:00	B7LX7	
MB7LX8	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	884 (Ice Only) (1)	AH-B5-SS-16	S: 12/16/2009	15:15	B7LX8	
MB7LX9	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	893 (Ice Only) (1)	AH-B1-SS-25	S: 12/16/2009	16:30	B7LX9	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: MB7LW8, MB7LX1	Additional Sampler Signature(s): <i>[Signature]</i>	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input type="checkbox"/>	Shipment Iced? <input type="checkbox"/>

CN = Cyanide, ICP/MS/CN = CLP TAL Total Metal (ICP) + Hg and Cya, ICP/MS/Hg = CLP TAL Metals(ICP)+Hg

TR Number: 2-063272546-121609-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819: Phone 703/818-4200 Fax

LABORATORY COPY



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 39334

DAS No:

SDG No:

L

Date Shipped: 12/16/2009 Carrier Name: FedEx Airbill: 8660 4365 7195 Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	Chain of Custody Record		Sampler Signature: <i>Sandra Richards</i>
	Relinquished By	(Date / Time)	Received By
	1 <i>Sandra Richards</i>	12/16/09 1930	FedEx 12/16/09 1930
	2		
	3		
4			
For Lab Use Only			
Lab Contract No:			
Unit Price:			
Transfer To:			
Lab Contract No:			
Unit Price:			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B7LW5	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	753 (Ice Only), 754 (Ice Only), 755 (Ice Only), 756 (Ice Only), 757 (Ice Only), 758 (Ice Only), 759 (Ice Only), 760 (Ice Only) (8)	AH-SH-SS-27	S: 12/16/2009	8:40	MB7LW5	
B7LW6	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	762 (Ice Only), 763 (Ice Only), 764 (Ice Only), 765 (Ice Only), 766 (Ice Only), 767 (Ice Only), 768 (Ice Only), 769 (Ice Only) (8)	AH-SH-SS-29	S: 12/16/2009	8:45	MB7LW6	
B7LW7	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	771 (Ice Only), 772 (Ice Only), 773 (Ice Only), 774 (Ice Only), 775 (Ice Only), 776 (Ice Only), 777 (Ice Only), 778 (Ice Only) (8)	AH-B4-SS-05	S: 12/16/2009	10:25	MB7LW7	
B7LW8	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	783 (Ice Only), 784 (Ice Only), 785 (Ice Only), 786 (Ice Only), 787 (Ice Only), 788 (Ice Only), 789 (Ice Only), 790 (Ice Only), 791 (Ice Only), 792 (Ice Only), 793 (Ice Only) (11)	AH-B4-SS-06	S: 12/16/2009	9:35	MB7LW8	
B7LW9	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	795 (Ice Only), 796 (Ice Only), 797 (Ice Only), 798 (Ice Only), 799 (Ice Only), 800 (Ice Only), 801 (Ice Only), 802 (Ice Only) (8)	AH-B5-SS-08	S: 12/16/2009	11:30	MB7LW9	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: B7LW8, B7LX1	Additional Sampler Signature(s): <i>[Signature]</i>	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key: DRO/ORO = DRO by MA 1787.1 and ORO by MA 1862.0, GRO = GRO by MA 1805.0, PCB = PCBs (AROCLORES), PER_MOI = Percent Moisture, SVOCs = CLP TCL Semivolatiles, VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input type="checkbox"/>	Shipment Iced? <input type="checkbox"/>

TR Number: 2-063272546-121609-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax

LABORATORY COPY



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 39334

DAS No:

SDG No:

L

Date Shipped: 12/16/2009 Carrier Name: FedEx Airbill: 8660 4365 7195 Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	Chain of Custody Record		Sampler Signature: <i>Sandra Richards</i>
	Relinquished By	(Date / Time)	Received By
	1 <i>Sandra Richards</i>	12/16/09 / 1930	FedEx 12/16/09 / 1930
	2		
	3		
4			
For Lab Use Only			
Lab Contract No:			
Unit Price:			
Transfer To:			
Lab Contract No:			
Unit Price:			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B7LX0	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	804 (Ice Only), 805 (Ice Only), 806 (Ice Only), 807 (Ice Only), 808 (Ice Only), 809 (Ice Only), 810 (Ice Only), 811 (Ice Only) (8)	AH-B5-SS-30	S: 12/16/2009	11:20	MB7LX0	
B7LX1	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	814 (Ice Only), 815 (Ice Only), 816 (Ice Only), 817 (Ice Only), 818 (Ice Only), 819 (Ice Only), 820 (Ice Only), 821 (Ice Only), 822 (Ice Only), 823 (Ice Only), 824 (Ice Only) (11)	AH-B5-SS-15	S: 12/16/2009	11:40	MB7LX1	
B7LX2	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	826 (Ice Only), 827 (Ice Only), 828 (Ice Only), 829 (Ice Only), 830 (Ice Only), 831 (Ice Only), 832 (Ice Only), 833 (Ice Only) (8)	AH-B1-SS-01	S: 12/16/2009	12:00	MB7LX2	
B7LX3	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	835 (Ice Only), 836 (Ice Only), 837 (Ice Only), 838 (Ice Only), 839 (Ice Only), 840 (Ice Only), 841 (Ice Only), 842 (Ice Only) (8)	AH-B1-SS-02	S: 12/16/2009	12:15	MB7LX3	
B7LX4	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	844 (Ice Only), 845 (Ice Only), 846 (Ice Only), 847 (Ice Only), 848 (Ice Only), 849 (Ice Only), 850 (Ice Only), 851 (Ice Only) (8)	AH-B1-SS-03	S: 12/16/2009	12:30	MB7LX4	

Shipment for Case Complete? <input checked="" type="checkbox"/>	Sample(s) to be used for laboratory QC: B7LW8, B7LX1	Additional Sampler Signature(s): <i>Jed Petty</i>	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key: DRO/ORO = DRO by MA 1787.1 and ORO by MA 1862.0, GRO = GRO by MA 1805.0, PCB = PCBs (AROCLORS), PER_MOI = Percent Moisture, SVOCs = CLP TCL Semivolatiles, VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composites = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment Iced? <input checked="" type="checkbox"/>

TR Number: 2-063272546-121609-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax

LABORATORY COPY

F2V&1.047 Date 2 of 2



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 39334
DAS No:
SDG No:

L

Date Shipped: 12/16/2009 Carrier Name: FedEx Airbill: 8660 4365 7195 Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	Chain of Custody Record		Sampler Signature: <i>Sandra Richards</i>	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 <i>Sandra Richards</i>	12/16/09 11:30	FedEx		12/16/09 11:30
	2				
	3				
4					

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B7LX5	Aqueous/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), SVOCs (21), VOA (21)	854 (Ice Only), 855 (Ice Only), 856 (Ice Only), 857 (Ice Only), 858 (Ice Only), 860 (HCL), 861 (HCL), 862 (HCL), 863 (HCL), 864 (HCL), 865 (Ice Only) (11)	AH-RB-121609	S: 12/16/2009 15:30	MB7LX5	
B7LX6	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	867 (Ice Only), 868 (Ice Only), 869 (Ice Only), 870 (Ice Only), 871 (Ice Only), 872 (Ice Only), 873 (Ice Only), 874 (Ice Only) (8)	AH-B5-SS-12	S: 12/16/2009 14:50	MB7LX6	
B7LX7	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	876 (Ice Only), 877 (Ice Only), 878 (Ice Only), 879 (Ice Only), 880 (Ice Only), 881 (Ice Only), 882 (Ice Only), 883 (Ice Only) (8)	AH-B5-SS-14	S: 12/16/2009 15:00	MB7LX7	
B7LX8	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	885 (Ice Only), 886 (Ice Only), 887 (Ice Only), 888 (Ice Only), 889 (Ice Only), 890 (Ice Only), 891 (Ice Only), 892 (Ice Only) (8)	AH-B5-SS-16	S: 12/16/2009 15:15	MB7LX8	
B7LX9	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	894 (Ice Only), 895 (Ice Only), 896 (Ice Only), 897 (Ice Only), 898 (Ice Only), 899 (Ice Only), 900 (Ice Only), 901 (Ice Only) (8)	AH-B1-SS-25	S: 12/16/2009 16:30	MB7LX9	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: B7LW8, B7LX1	Additional Sampler Signature(s): <i>Joel Petty</i>	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input type="checkbox"/>	Shipment Iced? <input type="checkbox"/>
DRO/ORO = DRO by MA 1787.1 and ORO by MA 1862.0, GRO = GRO by MA 1805.0, PCB = PCBs (AROCLORS), PER_MOI = Percent Moisture, SVOCs = CLP TCL Semivolatiles, VOA = CLP TCL Volatiles				

TR Number: 2-063272546-121609-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819: Phone 703/818-4200: Fax

LABORATORY COPY



**USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record**

Case No: 39334
DAS No:
SDG No:

L

Date Shipped: 12/17/2009 Carrier Name: FedEx Airbill: 8660 4365 7997 Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4080	Chain of Custody Record		Sampler Signature: <i>Sandra Richards</i>	For Lab Use Only Lab Contract No.: Unit Price: Transfer To: Lab Contract No.: Unit Price:	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 <i>San Richards</i>	12/17/09 / 1900	FedEx		12/17/09 / 1900
	2				
	3				
4					

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MB7LY0	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	902 (Ice Only) (1)	AH-B1-SS-04	S: 12/17/2009	8:55	B7LY0	
MB7LY1	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	911 (Ice Only) (1)	AH-B1-SS-23	S: 12/17/2009	8:45	B7LY1	
MB7LY2	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	920 (Ice Only) (1)	AH-B1-SS-24	S: 12/17/2009	9:00	B7LY2	
MB7LY3	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	929 (Ice Only) (1)	AH-B5-SS-13	S: 12/17/2009	9:25	B7LY3	
MB7LY4	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	938 (Ice Only) (1)	AH-B5-SS-17	S: 12/17/2009	9:40	B7LY4	
MB7LY5	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	947 (Ice Only) (1)	AH-B5-SS-18	S: 12/17/2009	9:50	B7LY5	
MB7LY6	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	956 (Ice Only) (1)	AH-B1-SS-23B	S: 12/17/2009	15:45	B7LY6	
MB7LY7	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	963 (Ice Only) (1)	AH-B2-SS-07	S: 12/17/2009	17:00	B7LY7	
MB7LY8	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	972 (Ice Only) (1)	AH-B5-SS-19	S: 12/17/2009	16:15	B7LY8	
MB7LY9	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	981 (Ice Only) (1)	AH-B5-SS-20	S: 12/17/2009	16:30	B7LY9	

Shipment for Case Complete? <input type="checkbox"/>	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): <i>[Signature]</i>	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input type="checkbox"/>	Shipment Iced? <input type="checkbox"/>	
ICP/MS/CN = CLP TAL Total Metal (ICP) + Hg and Cya					

TR Number: 2-063272546-121709-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax

LABORATORY COPY



**USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record**

Case No: 39334

DAS No:

SDG No:

L

Date Shipped: 12/17/2009
Carrier Name: FedEx
Airbill: 8660 4365 7997
Shipped to: Liberty Analytical
Corporation
501 Madison Avenue
Cary NC 27513
(919) 379-4080

Chain of Custody Record

Relinquished By

(Date / Time)

Sampler
Signature

Received By

(Date / Time)

1 Sandra Richards 12/17/09 11:00

FedEx 12/17/09 11:00

2

3

4

For Lab Use Only

Lab Contract No:

Unit Price:

Transfer To:

Lab Contract No:

Unit Price:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MB7LZ0	Soil/ Sandra Richards	M/G	ICP/MS/CN (21)	990 (Ice Only) (1)	AH-B5-SS-21	S: 12/17/2009 16:00	B7LZ0	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): 	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key: ICP/MS/CN = CLP TAL Total Metal (ICP) + Hg and Cya	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input type="checkbox"/>	Shipment Iced? <input type="checkbox"/>

TR Number: 2-063272546-121709-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax

LABORATORY COPY



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 39334

DAS No:

SDG No:

L

Date Shipped: 12/17/2009
Carrier Name: FedEx
Airbill: 8660 4365 7313
Shipped to: A4 Scientific
1544 Sawdust Road
Suite 505
The Woodlands TX 77380
(281) 292-5277

Chain of Custody Record

Relinquished By (Date / Time)

1 *[Signature]* 12/17/09 / 1900

2

3

4

Sampler
Signature

Received By

(Date / Time)

[Signature] 12/17/09 / 1900

For Lab Use Only

Lab Contract No:

Unit Price:

Transfer To:

Lab Contract No:

Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B7LY0	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	903 (Ice Only), 904 (Ice Only), 905 (Ice Only), 906 (Ice Only), 907 (Ice Only), 908 (Ice Only), 909 (Ice Only), 910 (Ice Only) (8)	AH-B1-SS-04	S: 12/17/2009 8:55	MB7LY0	
B7LY1	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	912 (Ice Only), 913 (Ice Only), 914 (Ice Only), 915 (Ice Only), 916 (Ice Only), 917 (Ice Only), 918 (Ice Only), 919 (Ice Only) (8)	AH-B1-SS-23	S: 12/17/2009 8:45	MB7LY1	
B7LY2	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	921 (Ice Only), 922 (Ice Only), 923 (Ice Only), 924 (Ice Only), 925 (Ice Only), 926 (Ice Only), 927 (Ice Only), 928 (Ice Only) (8)	AH-B1-SS-24	S: 12/17/2009 9:00	MB7LY2	
B7LY3	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	930 (Ice Only), 931 (Ice Only), 932 (Ice Only), 933 (Ice Only), 934 (Ice Only), 935 (Ice Only), 936 (Ice Only), 937 (Ice Only) (8)	AH-B5-SS-13	S: 12/17/2009 9:25	MB7LY3	
B7LY4	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	939 (Ice Only), 940 (Ice Only), 941 (Ice Only), 942 (Ice Only), 943 (Ice Only), 944 (Ice Only), 945 (Ice Only), 946 (Ice Only) (8)	AH-B5-SS-17	S: 12/17/2009 9:40	MB7LY4	
B7LY5	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	948 (Ice Only), 949 (Ice Only), 950 (Ice Only), 951 (Ice Only), 952 (Ice Only), 953 (Ice Only), 954 (Ice Only), 955 (Ice Only) (8)	AH-B5-SS-18	S: 12/17/2009 9:50	MB7LY5	

Shipment for Case
Complete? N

Sample(s) to be used for laboratory QC:

Additional Sampler Signature(s):

Cooler Temperature
Upon Receipt:

Chain of Custody Seal Number:

Analysis Key:

Concentration: L = Low, M = Low/Medium, H = High

Type/Designate: Composite = C, Grab = G

Custody Seal Intact? ☐

Shipment Iced? ☐

DRO/ORO = DRO by MA 1787.1 and ORO by MA 1862.0, GRO = GRO by MA 1805.0, PCB = PCBs (AROCLORES), PER_MOI = Percent Moisture, SVOCs = CLP TCL Semivolatiles, VOA = CLP TCL Volatiles

TR Number: 2-063272546-121709-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819: Phone 703/818-4200 Fax 703/818-4200

LABORATORY COPY



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 39334

DAS No:

SDG No:

L

Date Shipped: 12/17/2009
Carrier Name: FedEx
Airbill: 8660 4365 7313
Shipped to: A4 Scientific
1544 Sawdust Road
Suite 505
The Woodlands TX 77380
(281) 292-5277

Chain of Custody Record

Relinquished By

(Date / Time)

Sampler
Signature: *Sandra Richards*

Received By

(Date / Time)

1 *Sandra Richards* 12/17/09 11:00

FedEx 12/17/09 11:00

2

3

4

For Lab Use Only

Lab Contract No:

Unit Price:

Transfer To:

Lab Contract No:

Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B7LY6	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), SVOCs (21), VOA (21)	957 (Ice Only), 958 (Ice Only), 959 (Ice Only), 960 (Ice Only), 961 (Ice Only), 962 (Ice Only) (6)	AH-B1-SS-23B	S: 12/17/2009	15:45	MB7LY6	
B7LY7	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	964 (Ice Only), 965 (Ice Only), 966 (Ice Only), 967 (Ice Only), 968 (Ice Only), 969 (Ice Only), 970 (Ice Only), 971 (Ice Only) (8)	AH-B2-SS-07	S: 12/17/2009	17:00	MB7LY7	
B7LY8	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	973 (Ice Only), 974 (Ice Only), 975 (Ice Only), 976 (Ice Only), 977 (Ice Only), 978 (Ice Only), 979 (Ice Only), 980 (Ice Only) (8)	AH-B5-SS-19	S: 12/17/2009	16:15	MB7LY8	
B7LY9	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	982 (Ice Only), 983 (Ice Only), 984 (Ice Only), 985 (Ice Only), 986 (Ice Only), 987 (Ice Only), 988 (Ice Only), 989 (Ice Only) (8)	AH-B5-SS-20	S: 12/17/2009	16:30	MB7LY9	
B7LZ0	Soil/ Sandra Richards	M/G	DRO/ORO (21), GRO (21), PCB (21), PER_MOI (21), SVOCs (21), VOA (21)	991 (Ice Only), 992 (Ice Only), 993 (Ice Only), 994 (Ice Only), 995 (Ice Only), 996 (Ice Only), 997 (Ice Only), 998 (Ice Only) (8)	AH-B5-SS-21	S: 12/17/2009	16:00	MB7LZ0	

Shipment for Case
Complete? N

Sample(s) to be used for laboratory QC:

Additional Sampler Signature(s): *[Signature]*

Cooler Temperature
Upon Receipt:

Chain of Custody Seal Number:

Analysis Key:

Concentration: L = Low, M = Low/Medium, H = High

Type/Designation: Composite = C, Grab = G

Custody Seal Intact? ☐

Shipment Iced? ☐

DRO/ORO = DRO by MA 1787.1 and ORO by MA 1862.0, GRO = GRO by MA 1805.0, PCB = PCBs (AROCLORS), PER_MOI = Percent Moisture, SVOCs = CLP TCL Semivolatiles, VOA = CLP TCL Volatiles

TR Number: 2-063272546-121709-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4200

LABORATORY COPY

Contact Phone: 908-565-2989

Lab Phone: (908) 789 - 8900

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time
Transfer All	[Signature]	12/16/09	J. [Signature]	12/16/09	16:37

Contact Phone: (908) 565 - 2989

Lab Phone: (908) 789 - 8900

Special Instructions:	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #
-----------------------	--

[illegible]

FedEx US Airbill

Express

FedEx
Tracking
Number

8660 4365 7975

Sender's Copy

From Please print and press hard!
Date 12/11/09 Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY

Sender's Name SAYED IQBAL Phone (908) 565-2989

Company Weston Solutions, Inc.

Address 1090 King Georges Post Road

City Edison State NJ ZIP 08837

Your Internal Billing Reference 20401-115-0193 AL 3125

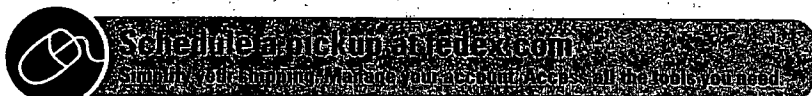
To Recipient's Name Marcus Hueppe Phone (805) 650-1642

Company Atmospheric Analysis & Consulting Inc.

Recipient's Address 1534 Eastman Avenue

We cannot deliver to P.O. boxes or P.O. ZIP codes.
Address Suite A

To request a package be held at a specific FedEx location, print FedEx address here.
City Ventura State CA ZIP 93003



4a Express Package Service

☒ **FedEx Priority Overnight**
Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ **FedEx Standard Overnight**
Next business afternoon.* Saturday Delivery NOT available.

☐ **FedEx First Overnight**
Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.

☐ **FedEx 2Day**
Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ **FedEx Express Saver**
Third business day.* Saturday Delivery NOT available.

* To meet locations.

4b Express Freight Service

☐ **FedEx 1Day Freight**
Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ **FedEx 2Day Freight**
Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ **FedEx 3Day Freight**
Third business day.** Saturday Delivery NOT available.

** To meet locations.

5 Packaging

☐ **FedEx Envelope**
* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.

☐ **FedEx Pak**
* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.

☐ **FedEx Box**

☐ **FedEx Tube**

☒ **Other**
* Declared value limit \$500.

6 Special Handling

☐ **SATURDAY Delivery**
NOT Available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 2Day Freight.

☐ **HOLD Weekday at FedEx Location**
NOT Available for FedEx First Overnight.

☐ **HOLD Saturday at FedEx Location**
Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods?
One box must be checked.

☒ **No** ☐ **Yes** As per attached Shipper's Declaration. ☐ **Yes** Shipper's Declaration not required.

☐ **Dry Ice**
Dry Ice, 4 UN 1845 x _____ kg

☐ **Cargo Aircraft Only**

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

☐ **Sender Acct. No. in Section 1 will be billed.** ☐ **Recipient** ☐ **Third Party** ☐ **Credit Card** ☐ **Cash/Check**

FedEx Acct. No. 402 356 103 Exp. Date _____

Total Packages _____ Total Weight _____ Total Declared Value* \$ _____ .00

Your liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

8 Residential Delivery Signature Options

If you require a signature, check Direct or Indirect.

☐ **No Signature Required**
Package may be left without obtaining a signature for delivery.

☐ **Direct Signature**
Someone at recipient's address may sign for delivery. Fee applies.

☐ **Indirect Signature**
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

520

Rev. Date 10/09-Part #158281-©1994-2009 FedEx-PRINTED IN U.S.A. RY

FedEx US Airbill
Express

FedEx Tracking Number 8660 4365 7200

FROM Please print and press hard.

Date 12/15/09 Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY

Sender's Name SAYED IQBAL Phone (908) 565-2989

Company Weston Solutions, Inc.

Address 1090 King Georges Post Rd.
Edison State NJ ZIP 08837

Our Internal Billing Reference 20401-115-013-3125

Recipient's Name Jessica Schulze Phone (281) 292-5277

Company A4 Scientific

Address 1544 Sawdust Road
Suite 505

Request a package be held at a specific FedEx location, print FedEx address here.

By The Woodlands State TX ZIP 77380

Sender's Copy

4a Express Package Service

☒ FedEx Priority Overnight Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Standard Overnight Next business afternoon.* Saturday Delivery NOT available.

☐ FedEx First Overnight Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.

☐ FedEx 2Day Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Express Saver Third business day.* Saturday Delivery NOT available.

* To select locations.

4b Express Freight Service

☐ FedEx 1Day Freight* Next business day.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 2Day Freight* Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 3Day Freight* Third business day.* Saturday Delivery NOT available.

* To select locations.

5 Packaging

☐ FedEx Envelope ☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. ☐ FedEx Box ☐ FedEx Tube ☒ Other

* Declared value limit \$500.

6 Special Handling

☐ SATURDAY Delivery NOT Available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 2Day Freight.

☐ HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight.

☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight, FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration ☐ Yes Shipper's Declaration not required ☐ Dry Ice Dry Ice, 9, UN 1845 ☐ Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

7 Payment Billed to:

☐ Sender Acct. No. in Section 1 will be billed.

☐ Recipient ☒ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. 402 356 103 Exp. Date

Total Packages Total Weight Total Declared Value*

\$.00

*Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

8 Residential Delivery Signature Options

If you require a signature, check Direct or Indirect.

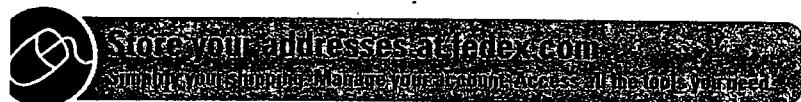
☐ No Signature Required Package may be left without obtaining a signature for delivery.

☐ Direct Signature Someone at recipient's address may sign for delivery. Fee applies.

☐ Indirect Signature If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

520

Rev. Date 10/09-Part #158221-C1091-2008 FedEx-PRINTED IN U.S.A. SRY



REMAIN THIS COPY FOR YOUR RECORDS.

FedEx Express US Airbill

FedEx Tracking Number

8660 4365 7986

From Please print and press hard.
Date 12/15/09 Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY

Sender's Name SAYED IQBAL Phone (908) 565-2989

Company Western Solutions, Inc.

Address 1090 King Georges Past Road

City Edison State NJ ZIP 08837

Your Internal Billing Reference 20401-115-013-3125

To Recipient's Name Joan Purdie Phone (919) 379-4080

Company Liberty Analytical Corp.

Recipient's Address 501 Madison Avenue

Address

City Cary State NC ZIP 27513

Find drop-off locations at fedex.com
Simplify your shipping. Manage your account. Access all the tools you need.

Sender's Copy

4a Express Package Service

☒ FedEx Priority Overnight
Next business morning. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ FedEx Standard Overnight
Next business afternoon. Saturday Delivery NOT available.
☐ FedEx First Overnight
Earliest next business morning. Saturday Delivery NOT available.
☐ FedEx 2Day
Second business day. Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ FedEx Express Saver
Third business day. Saturday Delivery NOT available.
FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service

☐ FedEx 1Day Freight
Next business day. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ FedEx 2Day Freight
Second business day. Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ FedEx 3Day Freight
Third business day. Saturday Delivery NOT available.

* Call for Confirmation. ** To local locations.

5 Packaging

☐ FedEx Envelope
☐ FedEx Pak
Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
☐ FedEx Box
☐ FedEx Tube
☒ Other
Declared weight limit.

6 Special Handling

☐ SATURDAY Delivery
NOT Available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 2Day Freight.
☐ HOLD Weekday at FedEx Location
NOT Available for FedEx First Overnight.
☐ HOLD Saturday at FedEx Location
Available ONLY for FedEx Priority Overnight and FedEx 2Day. Select options.

Does this shipment contain dangerous goods?
One box must be checked.
☒ No
☐ Yes
As per attached Shipper's Declaration.
☐ Yes
Shipper's Declaration not required.
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.
☐ Dry Ice
Dry Ice, 5, UN 1845
☐ Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.
☐ Sender
Acct. No. in Section 1 will be billed.
☐ Recipient
☒ Third Party
☐ Credit Card
☐ Cash/Check

FedEx Acct. No. or Credit Card No. 402 356 103 Exp. Date

Total Packages Total Weight Total Declared Value \$.00

* Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

8 Residential Delivery Signature Options

If you require a signature, check Direct or Indirect.
☐ No Signature Required
Package may be left without obtaining a signature for delivery.
☐ Direct Signature
Someone at recipient's address may sign for delivery. Fee applies.
☐ Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

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FedEx Express US Airbill

FedEx Tracking Number 8660 4365 7195

From Please print and print hard
Date 12/16/09
Sender's Name SAYED IQBAL
Company Weston Solutions, Inc.
Address 1090 King Georges Post Rd.
City Edison **State** NJ **ZIP** 08837
Phone (908) 565-2989
Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY
Your Internal Billing Reference 20401.115 PRIORITY 13.3125
To
Recipient's Name Jessica Schulze
Company A4 Scientific
Address 1544 Sawdust Road
City The Woodlands **State** TX **ZIP** 77380
Phone (281) 292-5277
Recipient's Address Suite 505
Address Suite 505
City The Woodlands **State** TX **ZIP** 77380

Sender's Copy

4a Express Package Service

☒ **FedEx Priority Overnight**
 Next business morning.^{*} Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ **FedEx Standard Overnight**
 Next business afternoon.^{*} Saturday Delivery NOT available.
☐ **FedEx First Overnight**
 Earliest next business morning delivery.^{*} Saturday Delivery NOT available.
☐ **FedEx 2Day**
 Second business day.^{*} Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ **FedEx Express Saver**
 Third business day.^{*} Saturday Delivery NOT available.
 * To meet deadlines, FedEx Envelope rate not available, Minimum charge: One-pound rate.

4b Express Freight Service

☐ **FedEx 1Day Freight**
 Next business day.^{*} Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ **FedEx 2Day Freight**
 Second business day.^{*} Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ **FedEx 3Day Freight**
 Third business day.^{*} Saturday Delivery NOT available.
 * To meet deadlines, FedEx Envelope rate not available, Minimum charge: One-pound rate.

* Call for Confirmation: ** To meet deadlines, FedEx Envelope rate not available, Minimum charge: One-pound rate.

5 Packaging

☐ **FedEx Envelope**^{*} ☐ **FedEx Pak**^{*} Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. ☐ **FedEx Box** ☐ **FedEx Tube** ☒ **Other**
 * Declared value limit \$500.

6 Special Handling

☐ **SATURDAY Delivery**
 NOT Available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
☐ **HOLD Weekday at FedEx Location**
 NOT Available for FedEx First Overnight.
☐ **HOLD Saturday at FedEx Location**
 Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.
 Does this shipment contain dangerous goods?
☒ **No** ☐ **Yes** As per shipper's Declaration. ☐ **Yes** Shipper's Declaration not required.
 Dry Ice: ☐ Dry Ice, 2, UN 1845 ☐ Cargo Aircraft Only
 Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

7 Payment Bill to:

☐ **Sender** ☐ **Recipient** ☒ **Third Party** ☐ **Credit Card** ☐ **Cash/Check**
 Enter FedEx Acct. No. or Credit Card No. below.

FedEx Acct. No. 402 356 103
 FedEx Cert. No. **Total Packages** **Total Weight** **Total Declared Value**
 \$.00

* Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and the current FedEx Service Guide, including terms that limit our liability.

8 Residential Delivery Signature Options

If you require a signature, check Director Indirect.

☐ **No Signature Required**
 Packages may be left without obtaining a signature for delivery.
☐ **Direct Signature**
 Signature at recipient's address every sign for delivery. Fee applies.
☐ **Indirect Signature**
 If no one is available at recipient's address, signature at a neighboring address may sign for delivery. Fee applies.
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FedEx US Airbill
Express

FedEx Tracking Number 8660 4365 7184

From Please print full name here
Date 12/16/09 Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY

Sender's Name SAYED IQBAL Phone 908565-2989

Company Weston Solutions, Inc.

Address 1090 King Georges Post Road

City Edison State NJ ZIP 08837

Your Internal Billing Reference 20401.11501043.3125

To Recipient's Name Joan Purdie Phone 919.379-4080

Company Liberty Analytical Corp.

Recipient's Address 501 Madison Avenue

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address Cary State NC ZIP 27513



Sender's Copy

4a Express Package Service

☒ **FedEx Priority Overnight**
Next business morning* Friday
Shipments will be delivered on Monday unless SATURDAY Delivery is selected.
FedEx Envelope rate not available. Minimum charge: One pound rate.

☐ **FedEx Standard Overnight**
Next business morning* Saturday Delivery NOT available.

☐ **FedEx First Overnight**
Earliest next business morning delivery to select locations. Saturday Delivery NOT available.

☐ **FedEx 2Day**
Second business day* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ **FedEx Express Saver**
Third business day* Saturday Delivery NOT available.

4b Express Freight Service

☐ **FedEx 1Day Freight**
Next business day* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ **FedEx 2Day Freight**
Second business day* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ **FedEx 3Day Freight**
Third business day* Saturday Delivery NOT available.

5 Packaging

☐ **FedEx Envelope**

☐ **FedEx Pak**
Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sundry Pak.

☐ **FedEx Box**

☐ **FedEx Tube**

☒ **Other**

6 Special Handling

☐ **SATURDAY Delivery**
NOT Available for:
FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.

☐ **HOLD-Weekday**
at FedEx Location.
NOT Available for:
FedEx First Overnight.

☐ **HOLD-Saturday**
at FedEx Location.
Available ONLY for:
FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods?
One box must be checked.

☒ **No**

☐ **Yes**
As per attached Shipper's Declaration.

☐ **Yes**
Shipper's Declaration not required.

☐ **Dry Ice**
Dry Ice, UN 1845

☐ **Cargo Aircraft Only**

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

☐ **Sender**
Acct. No. in Section 7 will be billed.

☐ **Recipient**

☒ **Third Party**

☐ **Credit Card**

☐ **Cash/Check**

FedEx Acct. No. 402 356 103

Box Date

Total Packages **Total Weight** **Total Declared Value**

\$.00

*Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

☐ **No Signature Required**
Package may be left without obtaining a signature for delivery.

☐ **Direct Signature**
Someone at recipient's address may sign for delivery. Fee applies.

☐ **Indirect Signature**
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

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Rev. Date 10/09-Part #150201-©1994-2006 FedEx-PRINTED IN U.S.A. 5RY

RETAIN THIS COPY FOR YOUR RECORDS.

FedEx US Airbill
Express

FedEx Tracking Number 8660 4365 7313

From Please print and press hard.
Date 12/17/09 Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY
Sender's Name SAYED IQBAL Phone (908) 565-2989
Company Weston Solutions, Inc.
Address 1090 King Georges Post Road
City Edison State NJ ZIP 08837
Your Internal Billing Reference 20401.115.0000.3125
To recipient's Name Jessica Scholze Phone (281) 292-5277
Company A4 Scientific
recipient's Address 1544 Sandust Road
Suite 505
The Woodlands State TX ZIP 77380



Sender's Copy

4a Express Package Service
☒ **FedEx Priority Overnight** Next business morning. * Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ **FedEx Standard Overnight** Next business afternoon. * Saturday Delivery NOT available.
☐ **FedEx First Overnight** Earliest next business morning delivery to select locations. * Saturday Delivery NOT available.
☐ **FedEx 2Day** Second business day. * Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ **FedEx Express Saver** Third business day. * Saturday Delivery NOT available.
* To meet exceptions, call for Confirmation.

4b Express Freight Service
☐ **FedEx 1Day Freight** Next business day. * Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ **FedEx 2Day Freight** Second business day. * Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ **FedEx 3Day Freight** Third business day. * Saturday Delivery NOT available.
* To meet exceptions, call for Confirmation.

5 Packaging
☐ **FedEx Envelope** *
☐ **FedEx Pak** * Includes FedEx Small Pak, FedEx Large Pak, and FedEx Specialty Pak.
☐ **FedEx Box**
☐ **FedEx Tube**
☒ **Other** * Declared value limit \$500.

6 Special Handling
☐ **SATURDAY Delivery** NOT Available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 2Day Freight.
☐ **HOLD Weekday at FedEx Location** NOT Available for FedEx First Overnight.
☐ **HOLD Saturday at FedEx Location** Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.
Does this shipment contain dangerous goods?
☒ **No** One box must be checked.
☐ **Yes** As per attached Shipper's Declaration.
☐ **Yes** Shipper's Declaration not required.
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.
☐ **Dry Ice** Dry Ice, 5 UN 1955
☐ **Cargo Aircraft Only**

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.
☐ **Sender** Acct. No. in Section 1 will be billed.
☐ **Recipient**
☒ **Third Party**
☐ **Credit Card**
☐ **Cash/Check**
FedEx Acct. No. 402 356 103
Credit Card No.
Total Packages 2 Total Weight Total Declared Value \$.00
* Your liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.
☐ **No Signature Required** Packages may be left without obtaining a signature for delivery.
☐ **Direct Signature** Someone at recipient's address may sign for delivery. Fee applies.
☐ **Indirect Signature** If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.
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FedEx US Airbill
Express

FedEx
Tracking
Number

8660 4365 7997

From *Please print or press hard*
Date 12/17/2009 Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY
Sender's Name SAYED IQBAL Phone (908) 565-2989
Company Weston Solutions, Inc.
Address 1090 King Georges Post Road
City Edison State NJ ZIP 08837
Your Internal Billing Reference 20401.115 013.3125
To Recipient's Name Joan Purdie Phone (919) 379-4080
Company Liberty Analytical Corp.
Recipient's Address 501 Madison Avenue
City Cary State NC ZIP 27513

Sender's Copy

4a Express Package Service

☒ FedEx Priority Overnight
Next business morning * Friday
shipments will be delivered on Monday
unless SATURDAY Delivery is selected.
☐ FedEx Standard Overnight
Next business afternoon *
Saturday Delivery NOT available.
☐ FedEx First Overnight
Earliest next business morning
delivery to select locations.
Saturday Delivery NOT available.
☐ FedEx 2Day
Second business day * Thursday
shipments will be delivered on Monday
unless SATURDAY Delivery is selected.
FedEx Envelope rate not available. Minimum charge: One-pound rate.
☐ FedEx Express Saver
Third business day *
Saturday Delivery NOT available.

4b Express Freight Service

☐ FedEx 1Day Freight
Next business day * Friday
shipments will be delivered on Monday
unless SATURDAY Delivery is selected.
☐ FedEx 2Day Freight
Second business day * Thursday
shipments will be delivered on Monday
unless SATURDAY Delivery is selected.
☐ FedEx 3Day Freight
Third business day *
Saturday Delivery NOT available.

5 Packaging

☐ FedEx Envelope *
☐ FedEx Pak *
Includes FedEx Small Pak,
FedEx Large Pak, and FedEx Sturdy Pak.
☐ FedEx Box
☐ FedEx Tube
☒ Other
* Declared value limit \$500.

6 Special Handling

☐ SATURDAY Delivery
NOT Available for
FedEx Standard Overnight,
FedEx First Overnight, FedEx Express
Saver, or FedEx 3Day Freight.
☐ HOLD Weekday
at FedEx Location
NOT Available for
FedEx First Overnight.
☐ HOLD Saturday
at FedEx Location
Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations.
Does this shipment contain dangerous goods?
One box must be checked.
☒ No ☐ Yes
As per attached
Shipper's Declaration.
☐ Yes
Shipper's Declaration
not required.
Dry Ice
Dry Ice, UN 1845
Cargo Aircraft Only
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.
☐ Sender
Does No. in
Section 1 will
be billed.
☐ Recipient
☒ Third Party
☐ Credit Card
☐ Cash/Check
FedEx Acct. No.
Credit Card No. 402 356 103
Total Packages 1 Total Weight 4.2 Total Declared Value* \$.00

*Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

8 Residential Delivery Signature Options

If you require a signature, check Direct or Indirect.
☐ No Signature
Required
Package may be left
without obtaining a
signature for delivery.
☐ Direct Signature
Someone at recipient's
address may sign for
delivery. Fee applies.
☐ Indirect Signature
If no one is available at
recipient's address, someone
at a neighboring address may
sign for delivery. Fee applies.

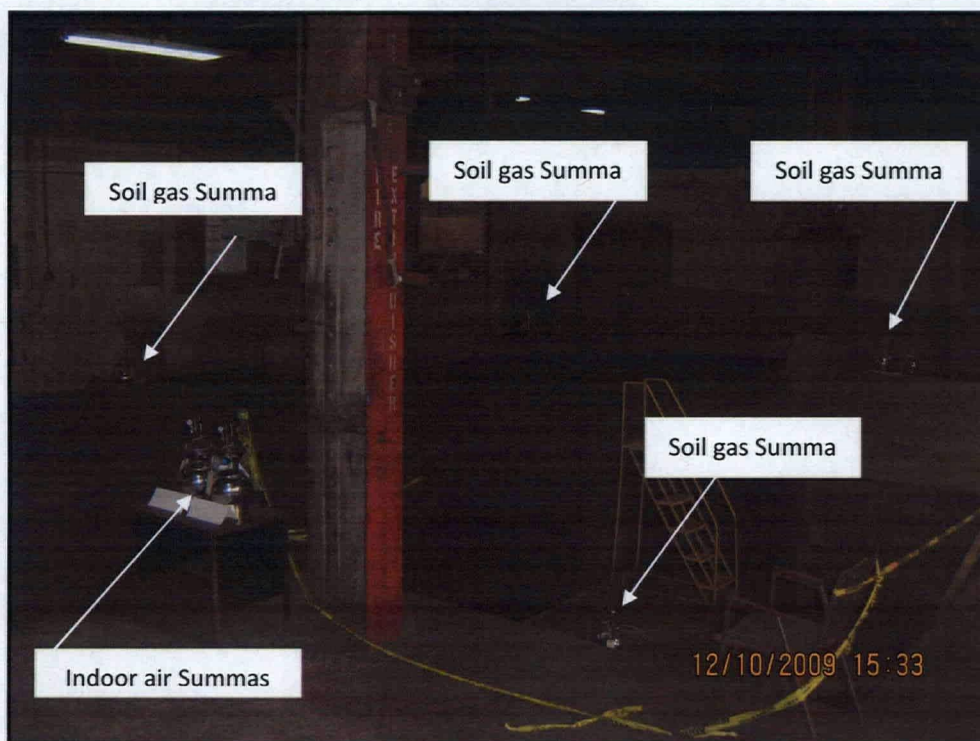
520

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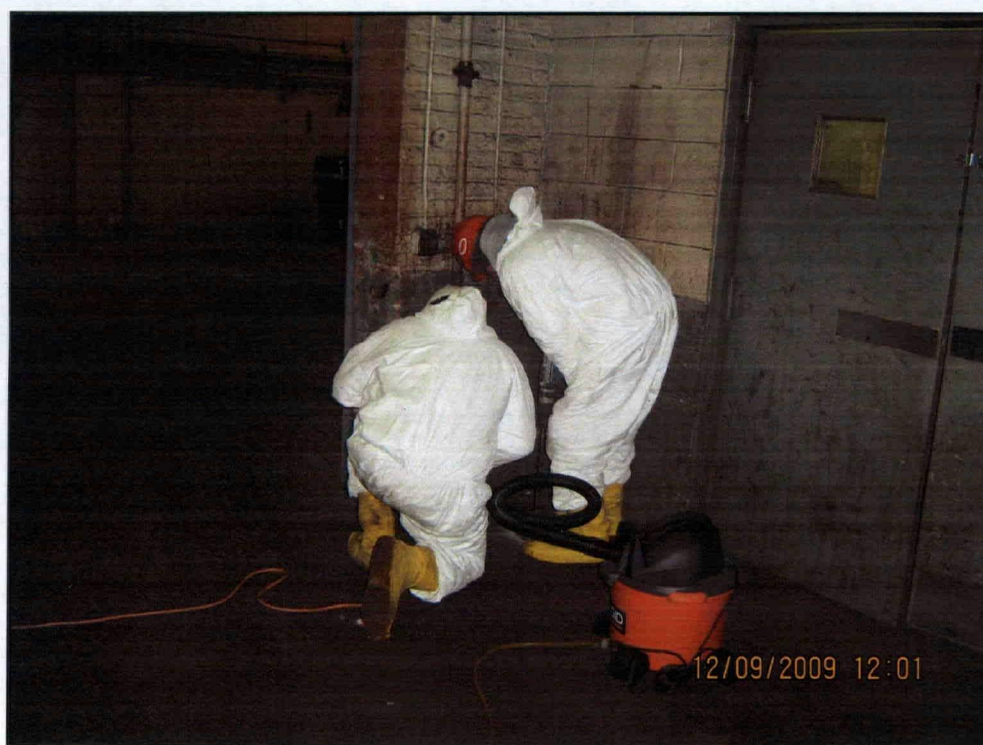


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Photographic Log
Alfred Heller Heat Treating Company Site
Air, Soil Gas, Surface and Sub-Slab Soil Sampling Event
December 2009

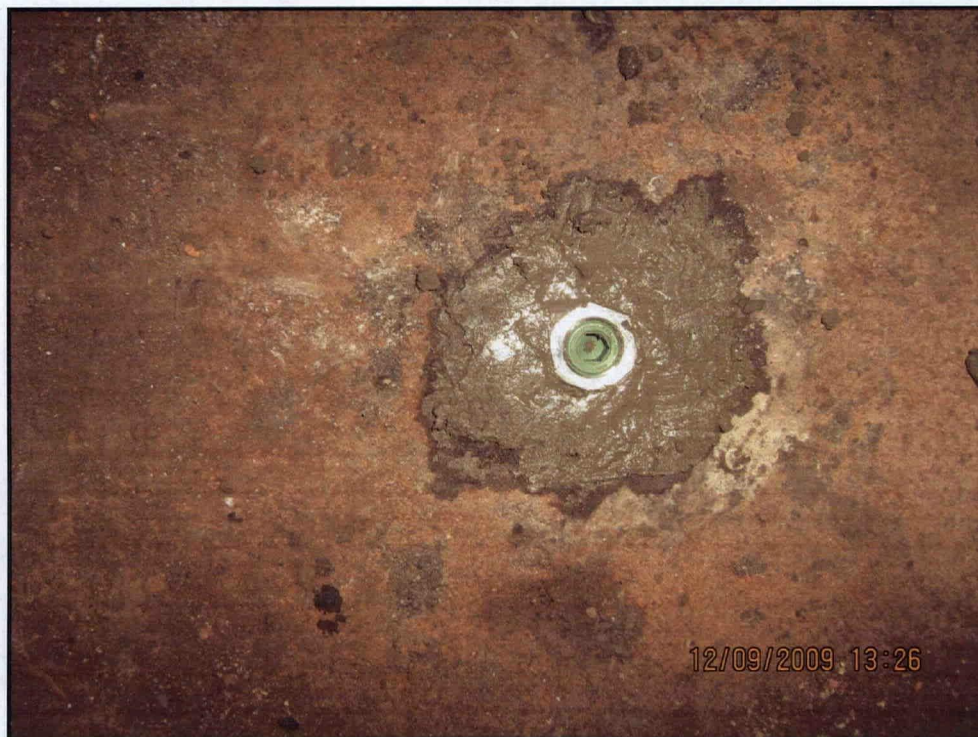


View facing southeast in Building No.1, showing four soil-gas sample locations and one indoor air sample location.

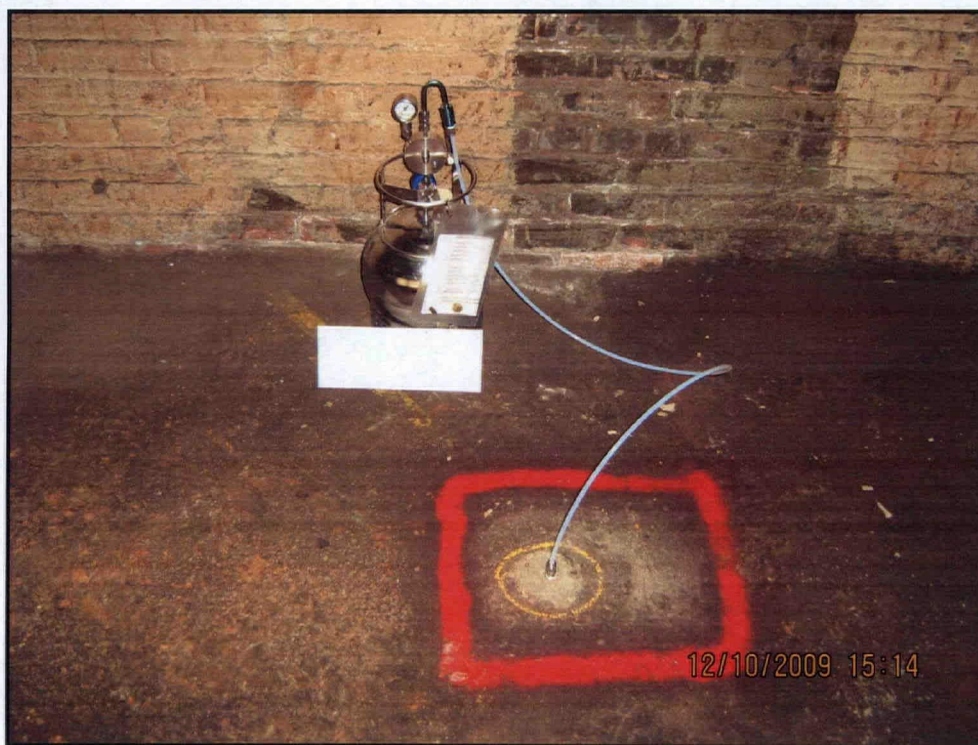


ERRS personnel drilling a soil gas well (AH-SG-02).

Photographic Log
Alfred Heller Heat Treating Company Site
Air, Soil Gas, Surface and Sub-Slab Soil Sampling Event
December 2009

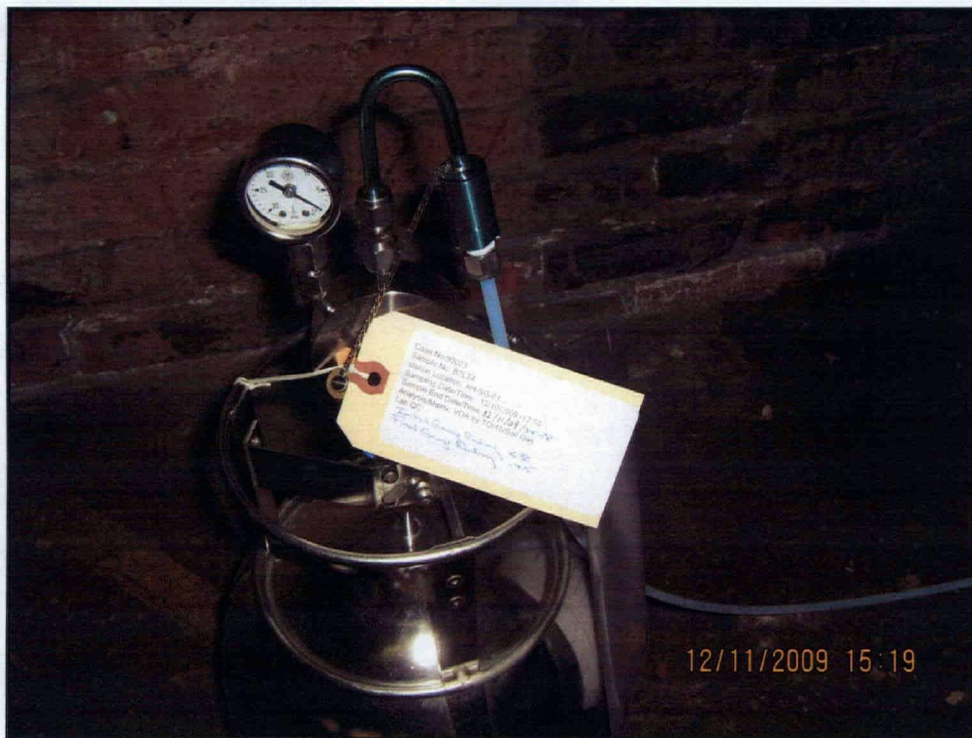


An installed soil gas well (AH-SG-05).



Soil gas sample No.: AH-SG-01, facing northeast in Building No. 1.

Photographic Log
Alfred Heller Heat Treating Company Site
Air, Soil Gas, Surface and Sub-Slab Soil Sampling Event
December 2009

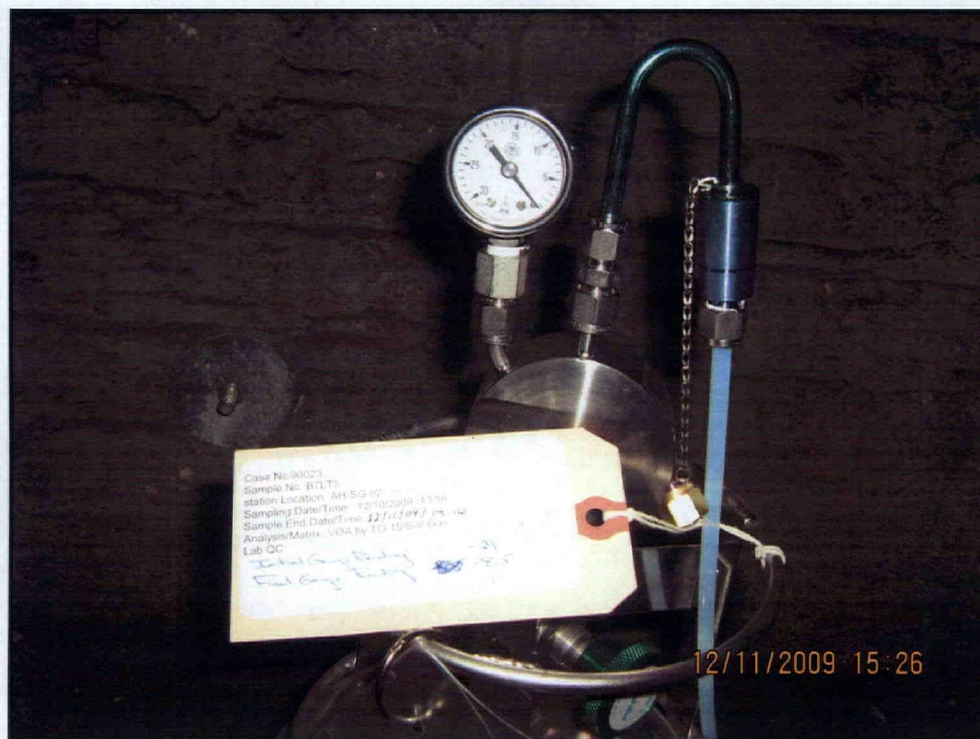


Soil gas sample No.: AH-SG-01, following the 24-hour sample period.



Soil gas sample No.: AH-SG-02, facing east in Building No. 1.

Photographic Log
Alfred Heller Heat Treating Company Site
Air, Soil Gas, Surface and Sub-Slab Soil Sampling Event
December 2009



Soil gas sample No.: AH-SG-02, following the 24-hour sample period.



Soil gas sample No.: AH-SG-03 and duplicate sample No.: AH-SG-04,
facing south southeast in Building No. 1.

Photographic Log
Alfred Heller Heat Treating Company Site
Air, Soil Gas, Surface and Sub-Slab Soil Sampling Event
December 2009



Soil gas sample No.: AH-SG-05, facing northeast in Building No. 1.



Indoor air sample No.: AH-AA-02 and duplicate sample No.: AH-AA-03,
facing south southeast in Building No. 1.

Photographic Log
Alfred Heller Heat Treating Company Site
Air, Soil Gas, Surface and Sub-Slab Soil Sampling Event
December 2009

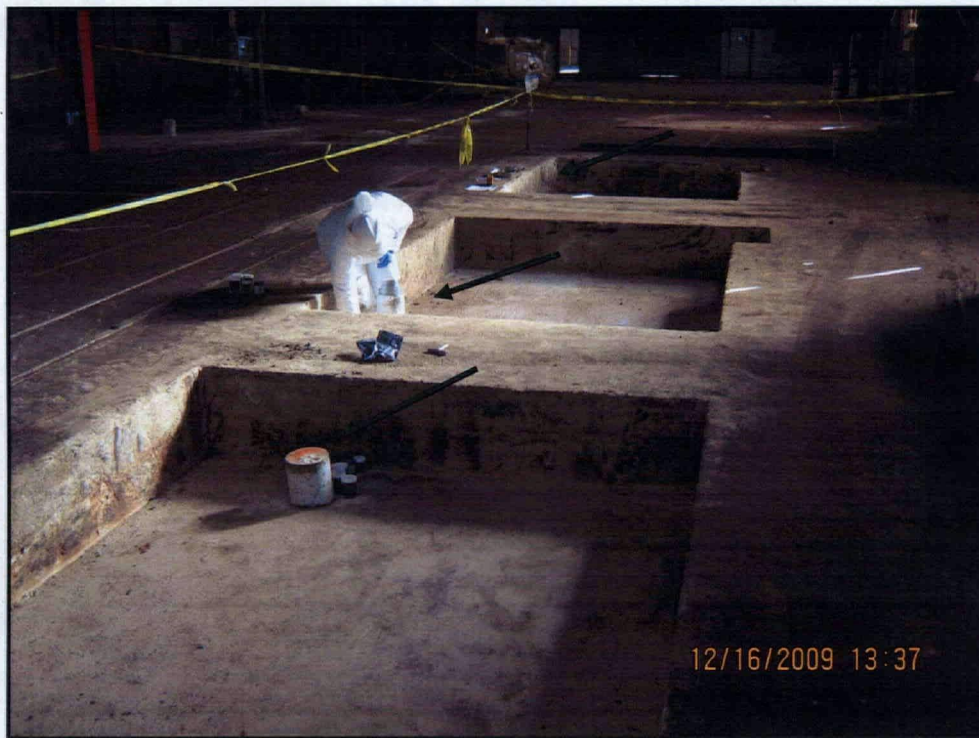


Ambient air sample No.: AH-AA-01, located outside of the office building.

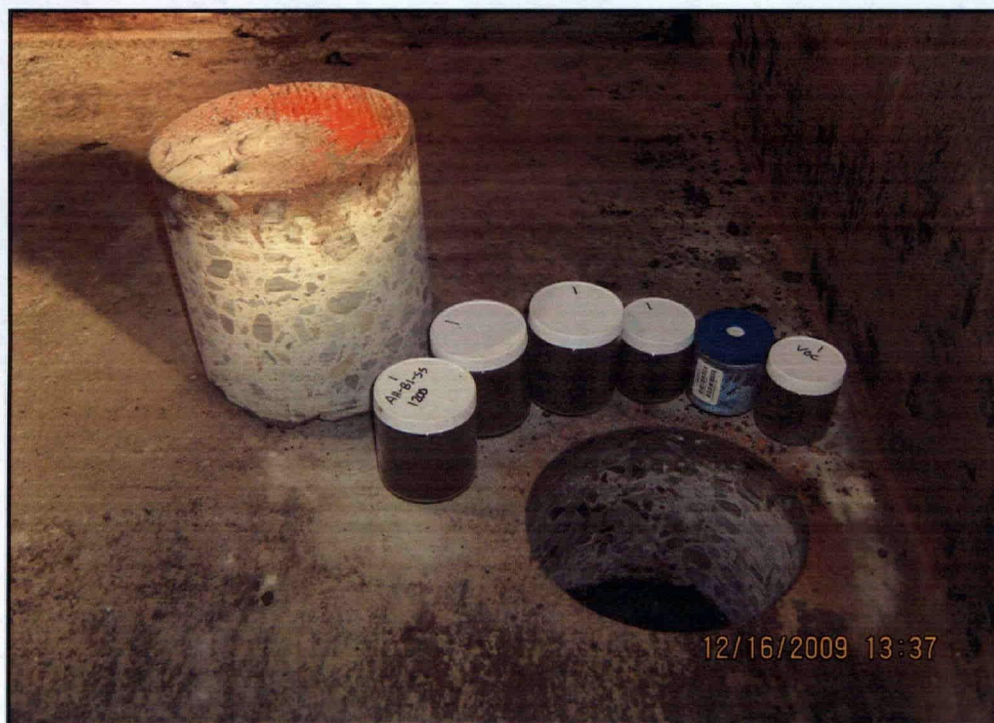


Due to high winds during the 24-hour sample period, it was necessary to secure the SUMMA canister at sample location No.: AH-AA-01.

Photographic Log
Alfred Heller Heat Treating Company Site
Air, Soil Gas, Surface and Sub-Slab Soil Sampling Event
December 2009



Sub-slab soil sample location Nos.: AH-B1-SS-01, AH-B1-SS-02, and AH-B1-SS-03 (From nearest to farthest).

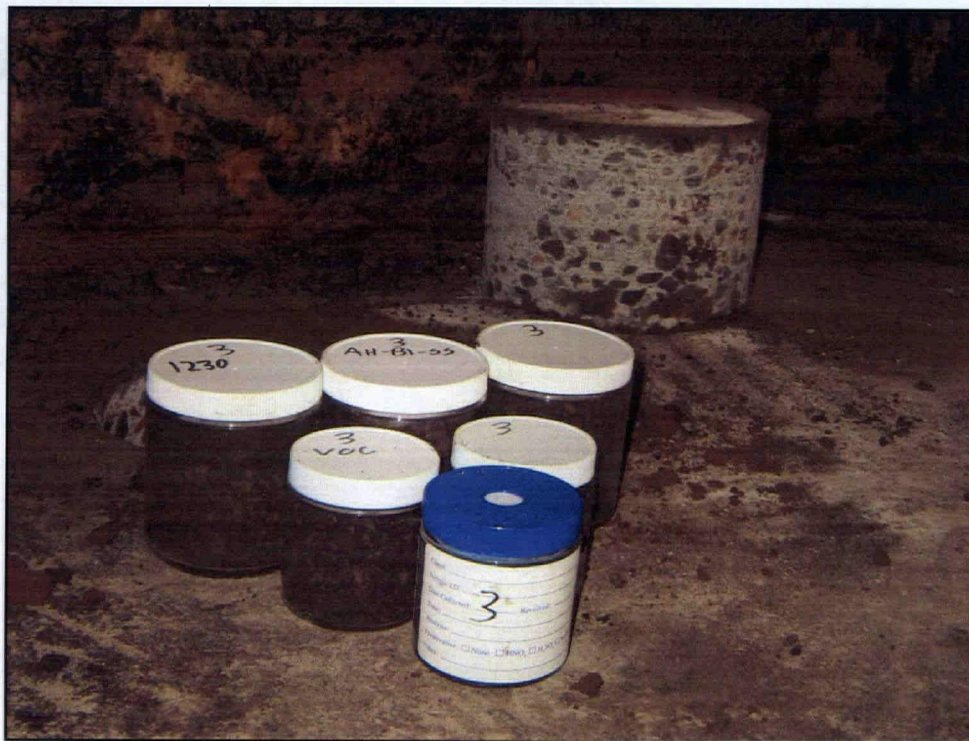


Sample location No.: AH-B1-SS-01.

Photographic Log
Alfred Heller Heat Treating Company Site
Air, Soil Gas, Surface and Sub-Slab Soil Sampling Event
December 2009



A view, facing northwest, of sample jars from sample No.: AH-B1-SS-02.



Sample location No.: AH-B1-SS-03.

Photographic Log
Alfred Heller Heat Treating Company Site
Air, Soil Gas, Surface and Sub-Slab Soil Sampling Event
December 2009



A view of the soil collected from sample location No.: AH-B1-SS-03.

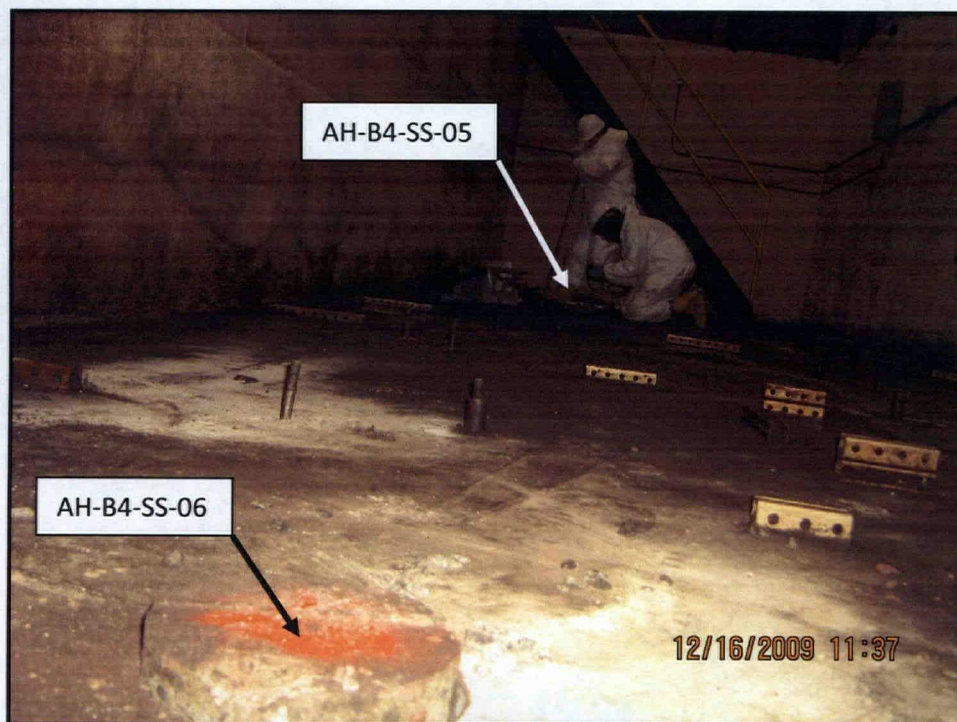


The sample jars and concrete slab core from sample location No.: AH-B1-SS-04.

Photographic Log
Alfred Heller Heat Treating Company Site
Air, Soil Gas, Surface and Sub-Slab Soil Sampling Event
December 2009



An overhead view of sample location No.: AH-B1-SS-04.

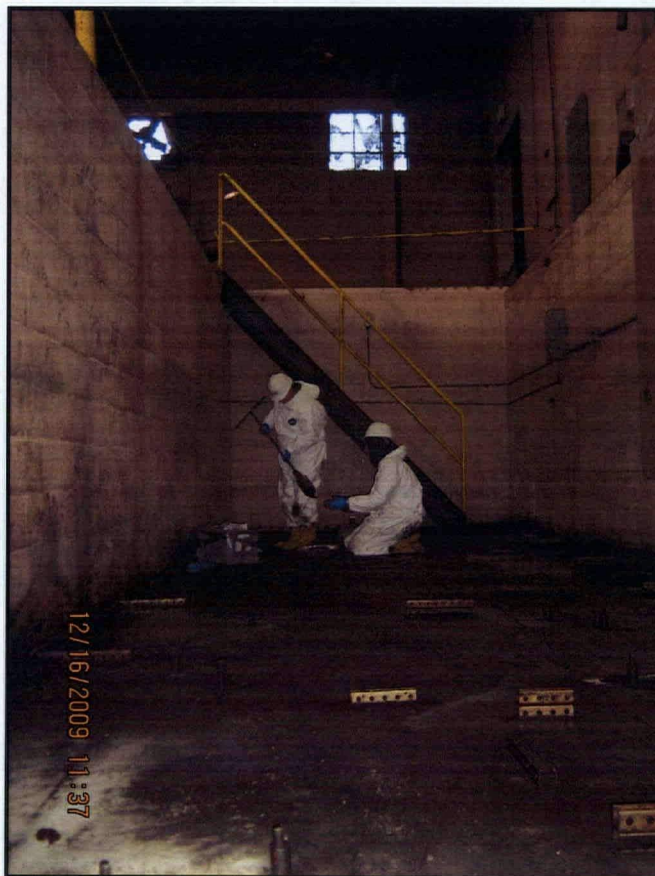


View facing northeast, of sample location No.: AH-B4-SS-05 in the background with sample location No.: AH-B4-SS-06 in the foreground.

Photographic Log
Alfred Heller Heat Treating Company Site
Air, Soil Gas, Surface and Sub-Slab Soil Sampling Event
December 2009

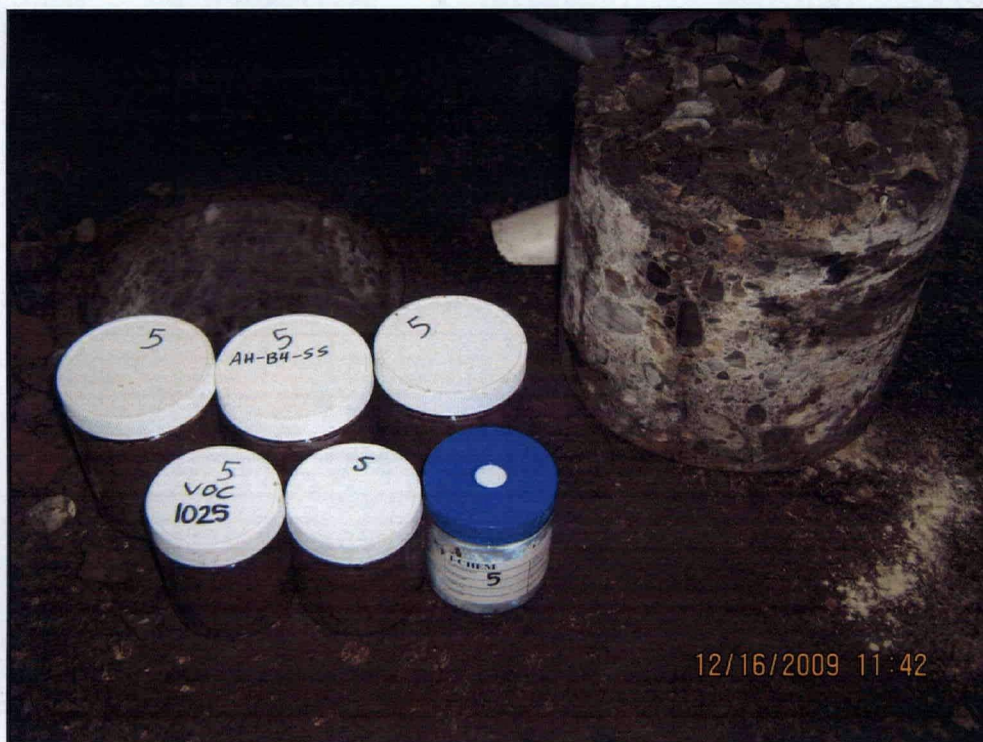


Sample jars from sample No.: AH-B4-SS-05.

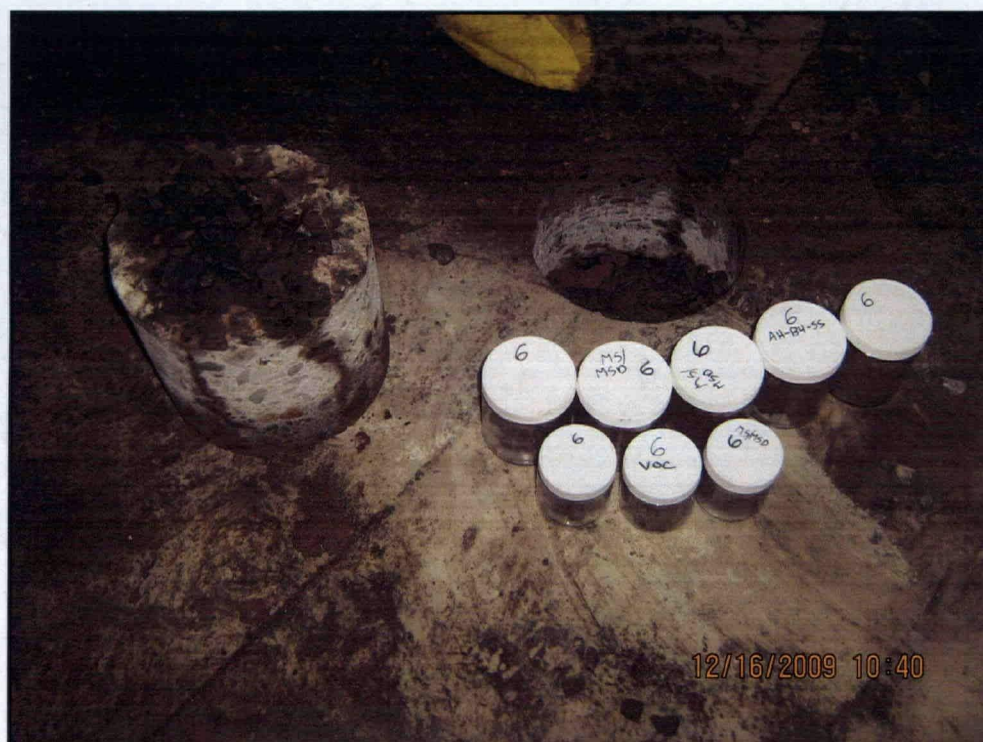


View, facing northeast, of sample No.: AH-B4-SS-05.

Photographic Log
Alfred Heller Heat Treating Company Site
Air, Soil Gas, Surface and Sub-Slab Soil Sampling Event
December 2009



The sample jars and concrete slab core from sample No.: AH-B4-SS-05.



The sample jars and concrete slab core from sample No.: AH-B4-SS-06.

Photographic Log
Alfred Heller Heat Treating Company Site
Air, Soil Gas, Surface and Sub-Slab Soil Sampling Event
December 2009



Overhead view of sample location No.: AH-B2-SS-07.

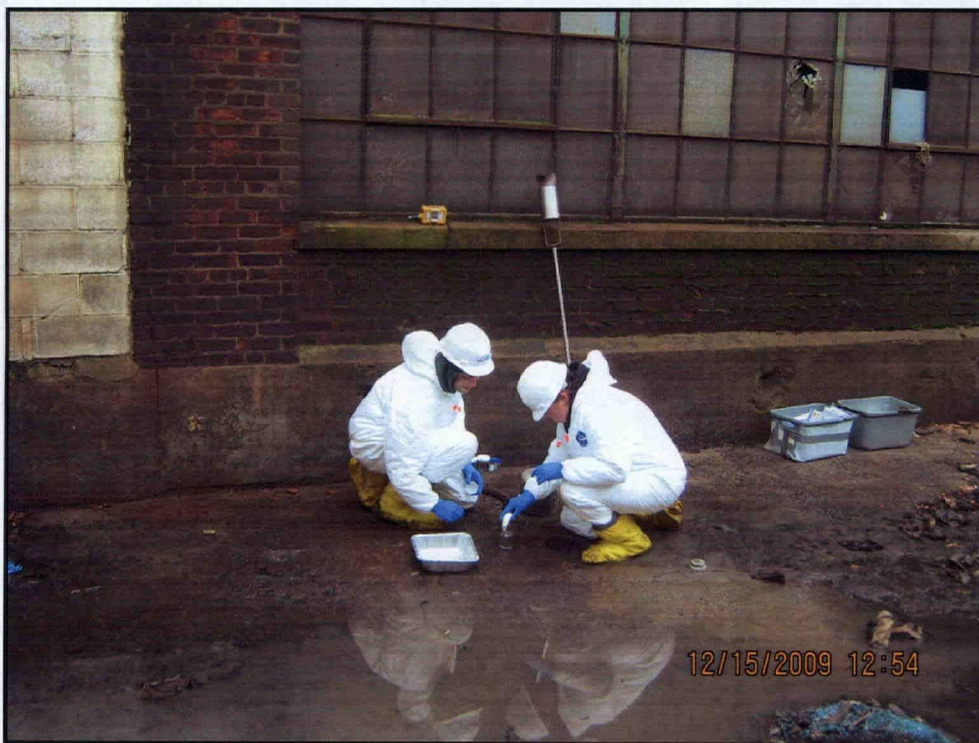


Sub-slab soil sample collected from sample location No.: AH-B2-SS-07.

Photographic Log
Alfred Heller Heat Treating Company Site
Air, Soil Gas, Surface and Sub-Slab Soil Sampling Event
December 2009



A view, facing west, of sample location No.: AH-B5-SS-08 and duplicate sample No.: AH-B5-SS-30.



A view, facing west, of sample location No.: AH-CY-SS-09 in the courtyard.

Photographic Log
Alfred Heller Heat Treating Company Site
Air, Soil Gas, Surface and Sub-Slab Soil Sampling Event
December 2009



A view, facing north, of sample location No.: AH-CY-S-10 in the courtyard.

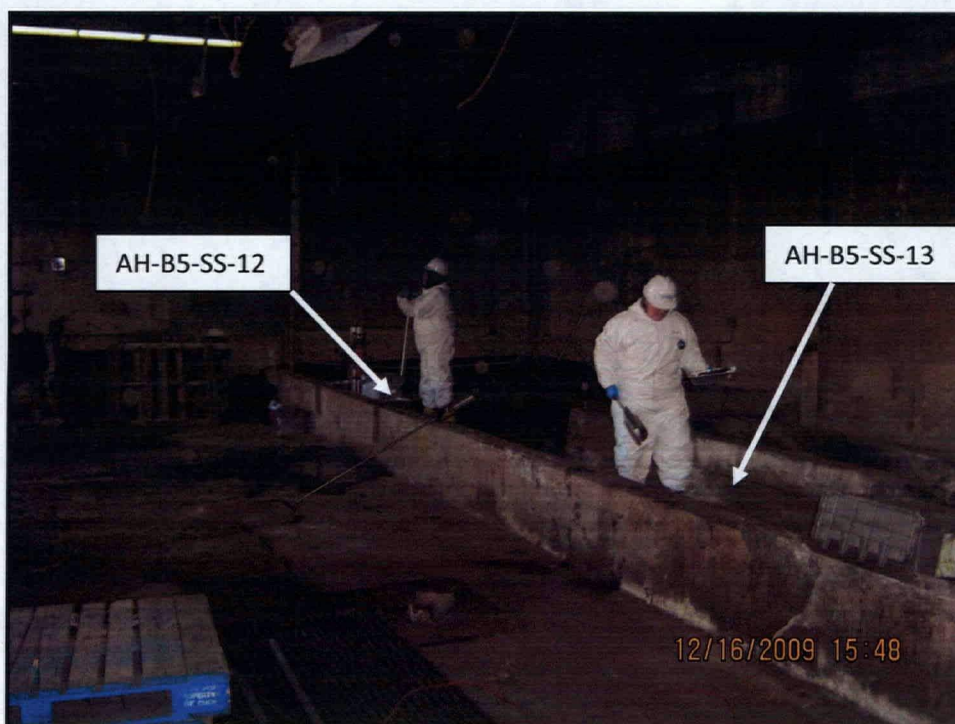


A photograph of the soils from sample location No.: AH-CY-S-10.

Photographic Log
Alfred Heller Heat Treating Company Site
Air, Soil Gas, Surface and Sub-Slab Soil Sampling Event
December 2009



Sample jars from sample location No.: AH-CY-S-10.



A view, facing south, of sample location No.: AH-B5-SS-12 in the background and sample location No.: AH-B5-SS-13 in the foreground.

Photographic Log
Alfred Heller Heat Treating Company Site
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December 2009



View of sample location No.: AH-B5-SS-14.



Concrete slab core from sampling location No.: AH-B5-SS-14.

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View, facing north, of sample location No.: AH-B5-SS-15.



Concrete slab core and sample jars from sample location No.: AH-B5-SS-15.

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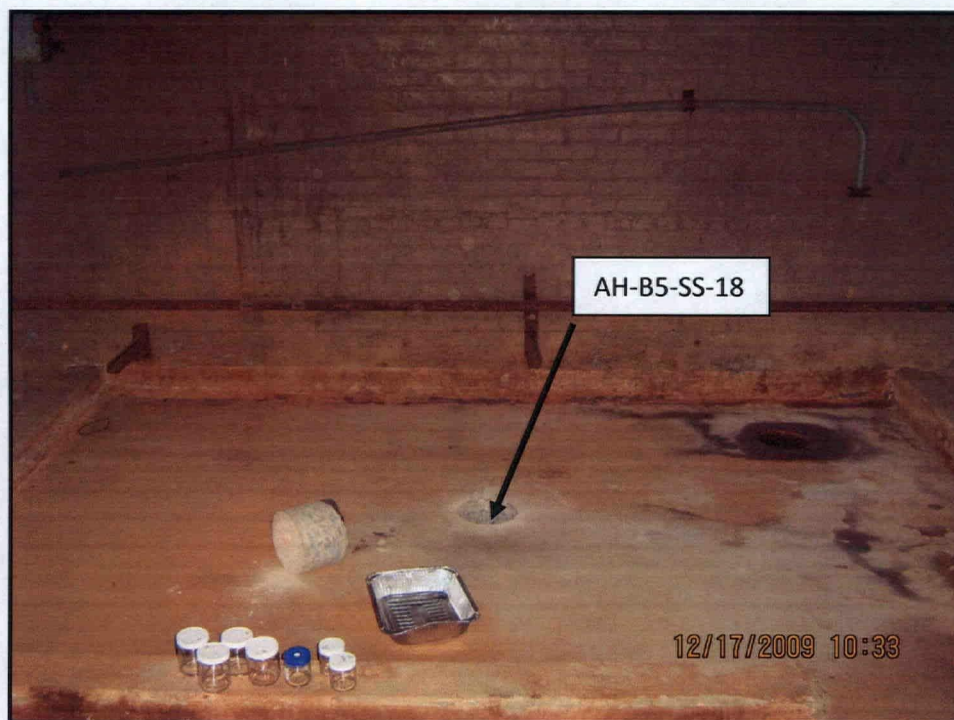


View of sampling location No.: AH-B5-SS-16 surrounded by deteriorated concrete.



Concrete slab core and sample jars from sample location No.: AH-B5-SS-17.

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View, facing southwest of sample location No.: AH-B5-SS-18.



View of concrete slab core and sample jars from sample location
No.: AH-B5-SS-18.

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View, facing north, of sample location No.: AH-B5-SS-19.



Concrete slab core and sample jars from sample location No.: AH-B5-SS-19.

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View, facing northwest, of sample location No.: AH-B5-SS-21.



View of sample collection using an auger and the concrete slab core at sample location No.: AH-B5-SS-21.

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View, facing south southeast, of sample location No.: AH-LD-SS-22 in the loading dock area.

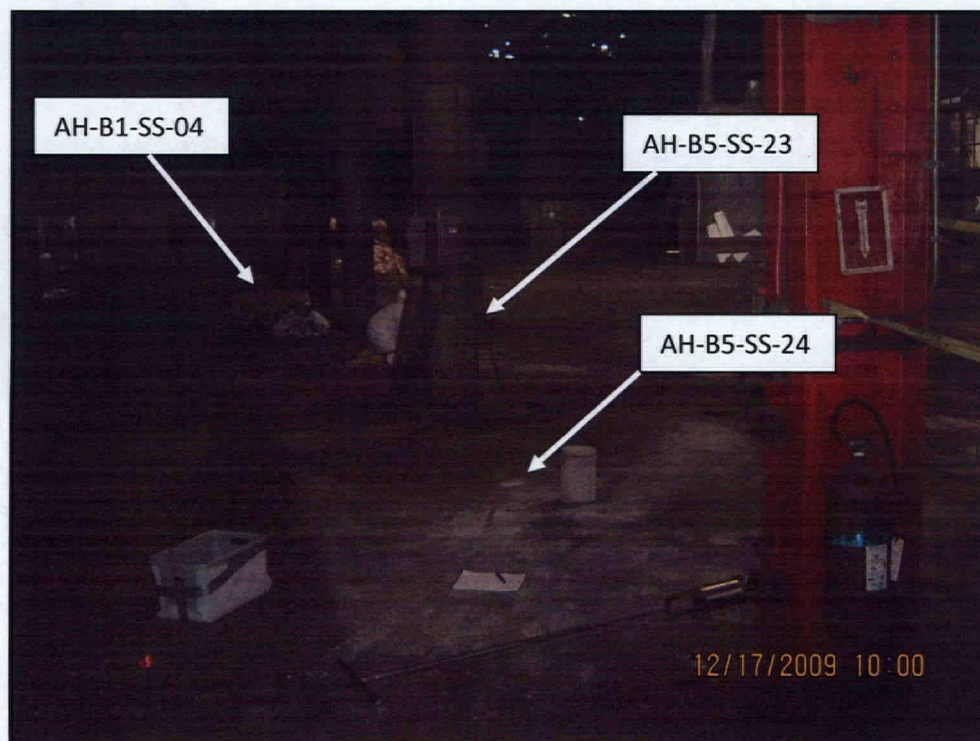


View of material extracted from sample location No.: AH-LD-SS-22.

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View, facing north northwest, of sample jars from sample location
No.: AH-LD-SS-22.



View, facing south, of sample location Nos.: AH-B1-SS-24,
AH-B1-SS-23 and AH-B1-SS-04.

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Concrete slab core and sample jars from sample location
No.: AH-B1-SS-23.



View of RST 2 personnel collecting a sub-slab sample from sample location
No.: AH-B1-SS-23B, using a GeoProbe® MacroCore and slide hammer.

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A close-up view of the sample extracted from sample location
No.: AH-B1-SS-23B.



View of sandy soil collected from sample location No.: AH-B1-SS-24.

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View of the concrete slab core and sample jars from sample location
No.: AH-B1-SS-24.



View of sample location No.: AH-B1-SS-25.

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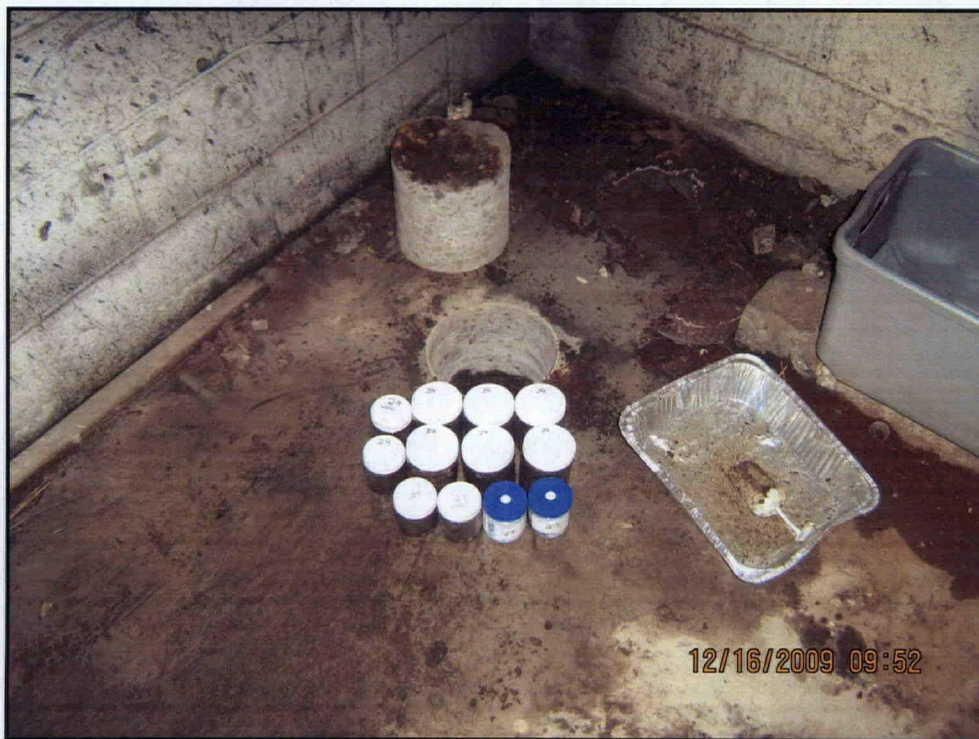


View of sample jars from sample location AH-B1-SS-25.



View of sample location No.: AH-S-26.

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View of the concrete slab core and sample jars from sample location No.: AH-SH-SS-27 and duplicate sample No.: AH-SH-SS-29.



View, facing east of sample location No.: AH-S-28.